Michael J Griffin

List of Publications by Year
in descending order

252 papers	8,750 citations	38742 50 h-index	79698 73 g-index
257 all docs	257 docs citations	257 times ranked	3181 citing authors

#	Article	IF	Citations
1	The apparent mass of the seated human body: Vertical vibration. Journal of Biomechanics, 1989, 22, 81-94.	2.1	249
2	EVALUATION OF WHOLE-BODY VIBRATION IN VEHICLES. Journal of Sound and Vibration, 2002, 253, 195-213.	3.9	196
3	Discomfort from feeling vehicle vibration. Vehicle System Dynamics, 2007, 45, 679-698.	3.7	172
4	Non-linearities in apparent mass and transmissibility during exposure to whole-body vertical vibration. Journal of Biomechanics, 2000, 33, 933-941.	2.1	159
5	Resonance behaviour of the seated human body and effects of posture. Journal of Biomechanics, 1997, 31, 143-149.	2.1	155
6	The transmission of translational seat vibration to the headâ€"I. Vertical seat vibration. Journal of Biomechanics, 1988, 21, 191-197.	2.1	134
7	Dose-response patterns for vibration-induced white finger. Occupational and Environmental Medicine, 2003, 60, 16-26.	2.8	126
8	Mathematical models for the apparent masses of standing subjects exposed to vertical whole-body vibration. Journal of Sound and Vibration, 2003, 260, 431-451.	3.9	119
9	Occupational exposure to noise and the attributable burden of hearing difficulties in Great Britain. Occupational and Environmental Medicine, 2002, 59, 634-639.	2.8	118
10	Factors affecting static seat cushion comfort. Ergonomics, 2001, 44, 901-921.	2.1	115
11	EFFECT OF SEATING ON EXPOSURES TO WHOLE-BODY VIBRATION IN VEHICLES. Journal of Sound and Vibration, 2002, 253, 215-241.	3.9	114
12	Prediction of the incidence of motion sickness from the magnitude, frequency, and duration of vertical oscillation. Journal of the Acoustical Society of America, 1987, 82, 957-966.	1.1	109
13	Modelling the dynamic mechanisms associated with the principal resonance of the seated human body. Clinical Biomechanics, 2001, 16, S31-S44.	1.2	98
14	Minimum health and safety requirements for workers exposed to hand-transmitted vibration and whole-body vibration in the European Union; a review. Occupational and Environmental Medicine, 2004, 61, 387-397.	2.8	96
15	Motion sickness in public road transport: the effect of driver, route and vehicle. Ergonomics, 1999, 42, 1646-1664.	2.1	95
16	Qualitative models of seat discomfort including static and dynamic factors. Ergonomics, 2000, 43, 771-790.	2.1	95
17	The apparent mass of the seated human body in the fore-and-aft and lateral directions. Journal of Sound and Vibration, 1990, 139, 299-306.	3.9	90
18	The transmission of translational seat vibration to the headâ€"II. Horizontal seat vibration. Journal of Biomechanics, 1988, 21, 199-206.	2.1	87

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19	Non-linear dual-axis biodynamic response to vertical whole-body vibration. Journal of Sound and Vibration, 2003, 268, 503-523.	3.9	86
20	Acute vascular responses to the frequency of vibration transmitted to the hand. Occupational and Environmental Medicine, 2000, 57, 422-430.	2.8	82
21	Effects of vertical vibration on passenger activities: writing and drinking. Ergonomics, 1991, 34, 1313-1332.	2.1	81
22	Whole-body vibration perception thresholds. Journal of Sound and Vibration, 1988, 121, 237-258.	3.9	80
23	Thresholds for the perception of hand-transmitted vibration: Dependence on contact area and contact location. Somatosensory & Motor Research, 2005, 22, 281-297.	0.9	80
24	Correlation Between Heart Rate and the Severity of Motion Sickness Caused by Optokinetic Stimulation. Journal of Psychophysiology, 2001, 15, 35-42.	0.7	79
25	Non-Linear Characteristics in the Dynamic Responses of Seated Subjects Exposed to Vertical Whole-Body Vibration. Journal of Biomechanical Engineering, 2002, 124, 527-532.	1.3	77
26	Magnitude-dependence of equivalent comfort contours for fore-and-aft, lateral and vertical whole-body vibration. Journal of Sound and Vibration, 2006, 298, 755-772.	3.9	77
27	The evaluation of vehicle vibration and seats. Applied Ergonomics, 1978, 9, 15-21.	3.1	71
28	EFFECTS OF POSTURE AND VIBRATION MAGNITUDE ON APPARENT MASS AND PELVIS ROTATION DURING EXPOSURE TO WHOLE-BODY VERTICAL VIBRATION. Journal of Sound and Vibration, 2002, 253, 93-107.	3.9	71
29	Validity of self reported occupational exposures to hand transmitted and whole body vibration. Occupational and Environmental Medicine, 2000, 57, 237-241.	2.8	70
30	Motion sickness and motion characteristics of vessels at sea. Ergonomics, 1988, 31, 1373-1394.	2.1	69
31	The transmission of vertical vibration through seats: Influence of the characteristics of the human body. Journal of Sound and Vibration, 2011, 330, 6526-6543.	3.9	69
32	Discomfort produced by impulsive wholeâ€body vibration. Journal of the Acoustical Society of America, 1980, 68, 1277-1284.	1.1	67
33	A data correction method for surface measurement of vibration on the human body. Journal of Biomechanics, 1995, 28, 885-890.	2.1	67
34	Motion sickness in public road transport: The relative importance of motion, vision and individual differences. British Journal of Psychology, 1999, 90, 519-530.	2.3	66
35	Prevalence and pattern of occupational exposure to whole body vibration in Great Britain: findings from a national survey. Occupational and Environmental Medicine, 2000, 57, 229-236.	2.8	64
36	The relative importance of whole body vibration and occupational lifting as risk factors for low-back pain. Occupational and Environmental Medicine, 2003, 60, 715-721.	2.8	64

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37	Review of the effects of translational whole-body vibration on continuous manual control performance. Journal of Sound and Vibration, 1989, 133, 55-115.	3.9	62
38	Non-linear dual-axis biodynamic response to fore-and-aft whole-body vibration. Journal of Sound and Vibration, 2005, 282, 831-862.	3.9	61
39	Vibrotactile thresholds at the fingertip, volar forearm, large toe, and heel. Somatosensory & Motor Research, 2008, 25, 101-112.	0.9	61
40	Subjective response to combined noise and vibration: summation and interaction effects. Journal of Sound and Vibration, 1990, 143, 443-454.	3.9	60
41	EFFECT OF MUSCLE TENSION ON NON-LINEARITIES IN THE APPARENT MASSES OF SEATED SUBJECTS EXPOSED TO VERTICAL WHOLE-BODY VIBRATION. Journal of Sound and Vibration, 2002, 253, 77-92.	3.9	59
42	Quantitative prediction of overall seat discomfort. Ergonomics, 2000, 43, 791-806.	2.1	58
43	A model of the vertical apparent mass and the fore-and-aft cross-axis apparent mass of the human body during vertical whole-body vibration. Journal of Sound and Vibration, 2009, 319, 719-730.	3.9	58
44	Absolute thresholds for the perception of fore-and-aft, lateral, and vertical vibration at the hand, the seat, and the foot. Journal of Sound and Vibration, 2008, 314, 357-370.	3.9	56
45	Prevalence and pattern of occupational exposure to hand transmitted vibration in Great Britain: findings from a national survey. Occupational and Environmental Medicine, 2000, 57, 218-228.	2.8	55
46	Cigarette smoking, occupational exposure to noise, and self reported hearing difficulties. Occupational and Environmental Medicine, 2004, 61, 340-344.	2.8	55
47	Tri-axial forces at the seat and backrest during whole-body vertical vibration. Journal of Sound and Vibration, 2004, 277, 309-326.	3.9	54
48	Vibration and comfort IV. Application of experimental results. Ergonomics, 1982, 25, 721-739.	2.1	53
49	Magnitude-dependence of equivalent comfort contours for fore-and-aft, lateral and vertical hand-transmitted vibration. Journal of Sound and Vibration, 2006, 295, 633-648.	3.9	52
50	Individual variability and its effect on subjective and biodynamic response to whole-body vibration. Journal of Sound and Vibration, 1978, 58, 239-250.	3.9	51
51	The annoyance caused by simultaneous noise and vibration from railways. Journal of the Acoustical Society of America, 1991, 89, 2317-2323.	1.1	51
52	Predicting discomfort from whole-body vertical vibration when sitting with an inclined backrest. Applied Ergonomics, 2013, 44, 423-434.	3.1	51
53	The validation of biodynamic models. Clinical Biomechanics, 2001, 16, S81-S92.	1.2	49
54	COMPARISON OF BIODYNAMIC RESPONSES IN STANDING AND SEATED HUMAN BODIES. Journal of Sound and Vibration, 2000, 238, 691-704.	3.9	48

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55	Modelling resonances of the standing body exposed to vertical whole-body vibration: Effects of posture. Journal of Sound and Vibration, 2008, 317, 400-418.	3.9	48
56	A comparison of two methods of simulating seat suspension dynamic performance. Journal of Sound and Vibration, 2004, 278, 117-134.	3.9	47
57	A review of the effects of vibration on visual acuity and continuous manual control, part II: Continuous manual control. Journal of Sound and Vibration, 1978, 56, 415-457.	3.9	46
58	The Transmission Of Translational Floor Vibration To The Heads Of Standing Subjects. Journal of Sound and Vibration, 1993, 160, 503-521.	3.9	46
59	Difference thresholds for intensity perception of whole-body vertical vibration: Effect of frequency and magnitude. Journal of the Acoustical Society of America, 2000, 107, 620-624.	1.1	46
60	An analytic model of the in-line and cross-axis apparent mass of the seated human body exposed to vertical vibration with and without a backrest. Journal of Sound and Vibration, 2011, 330, 6509-6525.	3.9	46
61	The relative importance of noise and vibration from railways. Applied Ergonomics, 1990, 21, 129-134.	3.1	45
62	Difference thresholds for automobile seat vibration. Applied Ergonomics, 2000, 31, 255-261.	3.1	45
63	Normal values for thermotactile and vibrotactile thresholds in males and females. International Archives of Occupational and Environmental Health, 2008, 81, 535-543.	2.3	42
64	Nonlinearity in the vertical transmissibility of seating: the role of the human body apparent mass and seat dynamic stiffness. Vehicle System Dynamics, 2013, 51, 122-138.	3.7	42
65	Magnitude of acute exposures to vibration and finger circulation. Scandinavian Journal of Work, Environment and Health, 1999, 25, 278-284.	3.4	42
66	Compensating lags in head-coupled displays using head position prediction and image deflection. Journal of Aircraft, 1992, 29, 1064-1068.	2.4	41
67	Effects of horizontal whole-body vibration on reading. Applied Ergonomics, 1994, 25, 165-169.	3.1	41
68	Tri-axial forces at the seat and backrest during whole-body fore-and-aft vibration. Journal of Sound and Vibration, 2005, 281, 921-942.	3.9	41
69	Transmission of foreâ€“aft vibration to a car seat using field tests and laboratory simulation. Journal of Sound and Vibration, 2003, 264, 135-155.	3.9	40
70	The effects of vibration frequency and direction on the location of areas of discomfort caused by whole-body vibration. Applied Ergonomics, 1978, 9, 231-239.	3.1	38
71	Transmission of vertical vibration through a seat: Effect of thickness of foam cushions at the seat pan and the backrest. International Journal of Industrial Ergonomics, 2015, 48, 36-45.	2.6	38
72	A review of the effects of vibration on visual acuity and continuous manual control, part I: Visual acuity. Journal of Sound and Vibration, 1978, 56, 383-413.	3.9	37

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73	Motions and crew responses on an offshore oil production and storage vessel. Applied Ergonomics, 2009, 40, 904-914.	3.1	37
74	Combined effect of noise and vibration produced by high-speed trains on annoyance in buildings. Journal of the Acoustical Society of America, 2013, 133, 2126-2135.	1.1	37
75	Evaluation of Vibration with Respect to Human Response. , 0, , .		36
76	Acute effects of force and vibration on finger blood flow. Occupational and Environmental Medicine, 2006, 63, 84-91.	2.8	36
77	Nonlinear subjective and dynamic responses of seated subjects exposed to horizontal whole-body vibration. Journal of Sound and Vibration, 2009, 321, 416-434.	3.9	36
78	Apparent mass of the human body in the vertical direction: Effect of seat backrest. Journal of Sound and Vibration, 2009, 327, 657-669.	3.9	36
79	Biodynamic Responses of the Seated Human Body to Single-axis and Dual-axis Vibration. Industrial Health, 2010, 48, 615-627.	1.0	36
80	Frequency-dependence of Psychophysical and Physiological Responses to Hand-transmitted Vibration. Industrial Health, 2012, 50, 354-369.	1.0	36
81	Dupuytren's contracture and occupational exposure to hand-transmitted vibration. Occupational and Environmental Medicine, 2014, 71, 241-245.	2.8	36
82	Subjective equivalence of sinusoidal and random wholeâ€body vibration. Journal of the Acoustical Society of America, 1976, 60, 1140-1145.	1.1	35
83	Predicting the effects of vibration frequency and axis, and seating conditions on the reading of numeric displays. Ergonomics, 1980, 23, 485-499.	2.1	35
84	The frequency dependence of subjective reaction to vertical and horizontal wholeâ€body vibration at low magnitudes. Journal of the Acoustical Society of America, 1988, 83, 1406-1413.	1.1	35
85	Risk of hand-arm vibration syndrome according to occupation and sources of exposure to hand-transmitted vibration: A national survey. American Journal of Industrial Medicine, 2001, 39, 389-396.	2.1	35
86	EVALUATING THE VIBRATION ISOLATION OF SOFT SEAT CUSHIONS USING AN ACTIVE ANTHROPODYNAMIC DUMMY. Journal of Sound and Vibration, 2002, 253, 295-311.	3.9	35
87	Normative data for vascular and neurological tests of the hand-arm vibration syndrome. International Archives of Occupational and Environmental Health, 2002, 75, 43-54.	2.3	35
88	The apparent mass and mechanical impedance of the hand and the transmission of vibration to the fingers, hand, and arm. Journal of Sound and Vibration, 2009, 325, 664-678.	3.9	35
89	Raynaud's phenomenon, vibration induced white finger, and difficulties in hearing. Occupational and Environmental Medicine, 2002, 59, 640-642.	2.8	34
90	Apparent mass of the human body in the vertical direction: Inter-subject variability. Journal of Sound and Vibration, 2011, 330, 827-841.	3.9	34

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91	Developing a simplified finite element model of a car seat with occupant for predicting vibration transmissibility in the vertical direction. Ergonomics, 2015, 58, 1220-1231.	2.1	34
92	Assessing the discomfort of dual-axis whole-body vibration. Journal of Sound and Vibration, 1977, 54, 107-116.	3.9	33
93	Low back pain in car drivers: A review of studies published 1975 to 2005. Journal of Sound and Vibration, 2006, 298, 499-513.	3.9	33
94	Nonlinear dual-axis biodynamic response of the semi-supine human body during vertical whole-body vibration. Journal of Sound and Vibration, 2008, 312, 296-315.	3.9	33
95	Transmission of vibration to the backrest of a car seat evaluated with multi-input models. Journal of Sound and Vibration, 2004, 274, 297-321.	3.9	32
96	Apparent mass and cross-axis apparent mass of standing subjects during exposure to vertical whole-body vibration. Journal of Sound and Vibration, 2006, 293, 78-95.	3.9	32
97	Response of the seated human body to whole-body vertical vibration: biodynamic responses to sinusoidal and random vibration. Ergonomics, 2014, 57, 693-713.	2.1	32
98	Duration of whole-body vibration exposure its effect on comfort. Journal of Sound and Vibration, 1976, 48, 333-339.	3.9	31
99	Thermal thresholds, vibrotactile thresholds and finger systolic blood pressures in dockyard workers exposed to hand-transmitted vibration. International Archives of Occupational and Environmental Health, 1999, 72, 377-386.	2.3	31
100	EFFECT OF PHASE, FREQUENCY, MAGNITUDE AND POSTURE ON DISCOMFORT ASSOCIATED WITH DIFFERENTIAL VERTICAL VIBRATION AT THE SEAT AND FEET. Journal of Sound and Vibration, 2000, 229, 273-286.	3.9	31
101	Measurement, evaluation, and assessment of peripheral neurological disorders caused by hand-transmitted vibration. International Archives of Occupational and Environmental Health, 2008, 81, 559-573.	2.3	31
102	Nonlinearity in apparent mass and transmissibility of the supine human body during vertical whole-body vibration. Journal of Sound and Vibration, 2009, 324, 429-452.	3.9	31
103	Equivalent comfort contours for vertical seat vibration: effect of vibration magnitude and backrest inclination. Ergonomics, 2012, 55, 909-922.	2.1	31
104	Duration of acute exposures to vibration and finger circulation. Scandinavian Journal of Work, Environment and Health, 1998, 24, 130-137.	3.4	31
105	Acute effects of continuous and intermittent vibration on finger circulation. International Archives of Occupational and Environmental Health, 2004, 77, 255-263.	2.3	30
106	Modelling the fore-and-aft apparent mass of the human body and the transmissibility of seat backrests. Vehicle System Dynamics, 2011, 49, 703-722.	3.7	30
107	The discomfort produced by noise and whole-body vertical vibration presented separately and in combination. Ergonomics, 2014, 57, 1724-1738.	2.1	30
108	Subjective reaction to vertical mechanical shocks of various waveforms. Journal of Sound and Vibration, 1991, 147, 395-408.	3.9	29

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109	Effects of frequency, magnitude, damping, and direction on the discomfort of vertical whole-body mechanical shocks. Journal of Sound and Vibration, 2008, 311, 485-497.	3.9	29
110	The vibration discomfort of standing persons: 0.5â€“16-Hz fore-and-aft, lateral, and vertical vibration. Journal of Sound and Vibration, 2011, 330, 816-826.	3.9	29
111	Response of the seated human body to whole-body vertical vibration: discomfort caused by sinusoidal vibration. Ergonomics, 2014, 57, 714-732.	2.1	29
112	Response of finger circulation to energy equivalent combinations of magnitude and duration of vibration. Occupational and Environmental Medicine, 2001, 58, 185-193.	2.8	28
113	Dependence of vibrotactile thresholds on the psychophysical measurement method. International Archives of Occupational and Environmental Health, 2002, 75, 78-84.	2.3	28
114	Discomfort during lateral acceleration: Influence of seat cushion and backrest. Applied Ergonomics, 2013, 44, 588-594.	3.1	28
115	Finite element modelling of human-seat interactions: vertical in-line and fore-and-aft cross-axis apparent mass when sitting on a rigid seat without backrest and exposed to vertical vibration. Ergonomics, 2015, 58, 1207-1219.	2.1	28
116	Visual field effects on motion sickness in cars. Aviation, Space, and Environmental Medicine, 2004, 75, 739-48.	0.5	28
117	Predicting the effects of vertical vibration frequency, combinations of frequencies and viewing distance on the reading of numeric displays. Journal of Sound and Vibration, 1980, 70, 355-377.	3.9	27
118	Effect of seat surface angle on forces at the seat surface during whole-body vertical vibration. Journal of Sound and Vibration, 2005, 284, 613-634.	3.9	27
119	Discomfort from sinusoidal oscillation in the roll and lateral axes at frequencies between 0.2 and 1.6Hz. Journal of the Acoustical Society of America, 2007, 121, 2644-2654.	1.1	27
120	Motion Sickness from Combined Lateral and Roll Oscillation: Effect of Varying Phase Relationships. Aviation, Space, and Environmental Medicine, 2007, 78, 944-950.	0.5	27
121	Eye Motion during Whole-Body Vertical Vibration. Human Factors, 1976, 18, 601-606.	3.5	26
122	The effect of the position of the axis of rotation on the discomfort caused by whole-body roll and pitch vibrations of seated persons. Journal of Sound and Vibration, 1978, 58, 127-141.	3.9	26
123	Nonlinear subjective and biodynamic responses to continuous and transient whole-body vibration in the vertical direction. Journal of Sound and Vibration, 2005, 287, 919-937.	3.9	26
124	Effect of frequency, magnitude and direction of translational and rotational oscillation on the postural stability of standing people. Journal of Sound and Vibration, 2006, 298, 725-754.	3.9	26
125	Biodynamic Response of the Seated Human Body to Single-axis and Dual-axis Vibration: Effect of Backrest and Non-linearity. Industrial Health, 2012, 50, 37-51.	1.0	26
126	Vertical and dual-axis vibration of the seated human body: Nonlinearity, cross-axis coupling, and associations between resonances in transmissibility and apparent mass. Journal of Sound and Vibration, 2012, 331, 5880-5894.	3.9	26

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127	Human response to simulated intermittent railway-induced building vibration. Journal of Sound and Vibration, 1988, 120, 413-420.	3.9	25
128	Evidence of impaired learning during whole-body vibration. Journal of Sound and Vibration, 1992, 152, 219-225.	3.9	25
129	Apparent mass of the human body in the vertical direction: Effect of a footrest and a steering wheel. Journal of Sound and Vibration, 2010, 329, 1586-1596.	3.9	25
130	The effects of sound level and vibration magnitude on the relative discomfort of noise and vibration. Journal of the Acoustical Society of America, 2012, 131, 4558-4569.	1.1	25
131	The application of SEAT values for predicting how compliant seats with backrests influence vibration discomfort. Applied Ergonomics, 2014, 45, 1461-1474.	3.1	25
132	A study of the subjective equivalence of noise and whole-body vibration. Journal of Sound and Vibration, 1975, 42, 453-461.	3.9	24
133	Comparison of absolute magnitude estimation and relative magnitude estimation for judging the subjective intensity of noise and vibration. Applied Acoustics, 2014, 77, 82-88.	3.3	24
134	Caseâ€“control study of low-back pain referred for magnetic resonance imaging, with special focus on whole-body vibration. Scandinavian Journal of Work, Environment and Health, 2008, 34, 364-373.	3.4	24
135	Normative vibrotactile thresholds measured at five European test centres. International Archives of Occupational and Environmental Health, 2003, 76, 517-528.	2.3	22
136	Transmission of roll, pitch and yaw vibration to the backrest of a seat supported on a non-rigid car floor. Journal of Sound and Vibration, 2005, 288, 1197-1222.	3.9	22
137	Effect of the magnitude and frequency of hand-transmitted vibration on finger blood flow during and after exposure to vibration. International Archives of Occupational and Environmental Health, 2009, 82, 1151-1162.	2.3	22
138	The transmission of vibration through gloves: effects of push force, vibration magnitude and inter-subject variability. Ergonomics, 2011, 54, 488-496.	2.1	22
139	Dynamic forces over the interface between a seated human body and a rigid seat during vertical whole-body vibration. Journal of Biomechanics, 2017, 61, 176-182.	2.1	22
140	Fore-and-aft and dual-axis vibration of the seated human body: Nonlinearity, cross-axis coupling, and associations between resonances in the transmissibility and apparent mass. International Journal of Industrial Ergonomics, 2019, 69, 58-65.	2.6	22
141	Effect of train speed and track geometry on the ride comfort in high-speed railways based on ISO 2631-1. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2020, 234, 765-778.	2.0	22
142	Acute response of finger circulation to force and vibration applied to the palm of the hand. Scandinavian Journal of Work, Environment and Health, 2006, 32, 383-391.	3.4	22
143	Six Axis Vehicle Vibration and its Effects on Comfort. Ergonomics, 1979, 22, 211-225.	2.1	21
144	Interpretation of the finger skin temperature response to cold provocation. International Archives of Occupational and Environmental Health, 2001, 74, 325-335.	2.3	21

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145	Effect of voluntary periodic muscular activity on nonlinearity in the apparent mass of the seated human body during vertical random whole-body vibration. Journal of Sound and Vibration, 2006, 298, 824-840.	3.9	21
146	Fore-and-aft transmissibility of backrests: Variation with height above the seat surface and non-linearity. Journal of Sound and Vibration, 2007, 299, 109-122.	3.9	21
147	Motion Sickness: Effect of the Magnitude of Roll and Pitch Oscillation. Aviation, Space, and Environmental Medicine, 2008, 79, 390-396.	0.5	21
148	Transmission of vibration through gloves: effects of material thickness. Ergonomics, 2016, 59, 1026-1037.	2.1	21
149	Time dependency of wholeâ€body vibration discomfort. Journal of the Acoustical Society of America, 1980, 68, 1522-1523.	1.1	20
150	Modelling the response of the spinal system to whole-body vibration and repeated shock. Clinical Biomechanics, 2001, 16, S3-S7.	1.2	20
151	Power absorbed during whole-body vertical vibration: Effects of sitting posture, backrest, and footrest. Journal of Sound and Vibration, 2010, 329, 2928-2938.	3.9	20
152	TOWARDS THE STANDARDIZATION OF A TESTING METHOD FOR THE END-STOP IMPACTS OF SUSPENSION SEATS. Journal of Sound and Vibration, 1996, 192, 307-319.	3.9	19
153	TRANSMISSION OF YAW SEAT VIBRATION TO THE HEAD. Journal of Sound and Vibration, 2000, 229, 1077-1095.	3.9	19
154	Equivalent comfort contours for vertical vibration of steering wheels: Effect of vibration magnitude, grip force, and hand position. Applied Ergonomics, 2009, 40, 817-825.	3.1	19
155	Discomfort caused by low-frequency lateral oscillation, roll oscillation and roll-compensated lateral oscillation. Ergonomics, 2013, 56, 103-114.	2.1	19
156	Response of the seated human body to whole-body vertical vibration: discomfort caused by mechanical shocks. Ergonomics, 2017, 60, 347-357.	2.1	19
157	The prevalence of sensorineural symptoms attributable to hand-transmitted vibration in Great Britain: a national postal survey. American Journal of Industrial Medicine, 2000, 38, 99-107.	2.1	18
158	Nonlinear dual-axis biodynamic response of the semi-supine human body during longitudinal horizontal whole-body vibration. Journal of Sound and Vibration, 2008, 312, 273-295.	3.9	18
159	Difference thresholds for the perception of whole-body vertical vibration: dependence on the frequency and magnitude of vibration. Ergonomics, 2009, 52, 1305-1310.	2.1	18
160	Discomfort from sinusoidal oscillation in the pitch and fore-and-aft axes at frequencies between 0.2 and 1.6Hz. Journal of Sound and Vibration, 2009, 324, 453-467.	3.9	18
161	Magnitude-dependence of equivalent comfort contours for fore-and-aft, lateral, and vertical vibration at the foot for seated persons. Journal of Sound and Vibration, 2010, 329, 2939-2952.	3.9	18
162	The vibration of inclined backrests: perception and discomfort of vibration applied normal to the back in the x-axis of the body. Journal of Sound and Vibration, 2011, 330, 4646-4659.	3.9	18

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163	Impact of high dose n-3 polyunsaturated fatty acid treatment on measures of microvascular function and vibration perception in non-alcoholic fatty liver disease: results from the randomised WELCOME trial. Diabetologia, 2015, 58, 1916-1925.	6.3	18
164	A Review and Investigation of Aiming and Tracking Performance with Head-Mounted Sights. IEEE Transactions on Systems, Man, and Cybernetics, 1987, 17, 210-221.	0.9	17
165	Independent responses of Pacinian and Non-Pacinian systems with hand-transmitted vibration detected from masked thresholds. Somatosensory & Motor Research, 2005, 22, 69-84.	0.9	17
166	Motion Sickness with Fully Roll-Compensated Lateral Oscillation: Effect of Oscillation Frequency. Aviation, Space, and Environmental Medicine, 2009, 80, 94-101.	0.5	17
167	The relative discomfort of noise and vibration: effects of stimulus duration. Ergonomics, 2014, 57, 1244-1255.	2.1	17
168	Discomfort of seated persons exposed to low frequency lateral and roll oscillation: Effect of backrest height. Applied Ergonomics, 2016, 54, 51-61.	3.1	17
169	Measuring Vibration on Soft Seats. , 0, , .		16
170	Effects of a target movement direction cue on head-tracking performance. Ergonomics, 2000, 43, 360-376.	2.1	16
171	The clinical grading of Raynaud's phenomenon and vibration-induced white finger: relationship between finger blanching and difficulties in using the upper limb. International Archives of Occupational and Environmental Health, 2002, 75, 29-36.	2.3	16
172	Measuring, evaluating and assessing the transmission of vibration through the seats of railway vehicles. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2018, 232, 384-395.	2.0	16
173	The Effect of Rotational Vibration In Roll and Pitch Axes on the Discomfort of Seated Subjects. Ergonomics, 1978, 21, 615-625.	2.1	15
174	A comparison of vibrotactile thresholds obtained using different diagnostic equipment: the effect of contact conditions. International Archives of Occupational and Environmental Health, 2002, 75, 85-89.	2.3	15
175	Fore-and-aft apparent mass of the back: Nonlinearity and variation with vertical location. Journal of Sound and Vibration, 2008, 318, 1348-1363.	3.9	15
176	The horizontal apparent mass of the standing human body. Journal of Sound and Vibration, 2011, 330, 3284-3297.	3.9	15
177	Predicting the Effects of Dual-Frequency Vertical Vibration on Continuous Manual Control Performance. Ergonomics, 1978, 21, 637-650.	2.1	14
178	Frequency Weightings for Fore-and-aft Vibration at the Back: Effect of Contact Location, Contact Area, and Body Posture. Industrial Health, 2010, 48, 538-549.	1.0	14
179	Professional driving and prolapsed lumbar intervertebral disc diagnosed by magnetic resonance imaging: a caseâ€"control study. Scandinavian Journal of Work, Environment and Health, 2012, 38, 577-581.	3.4	14
180	Fore-and-aft transmissibility of backrests: Effect of backrest inclination, seat-pan inclination, and measurement location. Journal of Sound and Vibration, 2007, 299, 99-108.	3.9	13

#	Article	IF	Citations
181	A Variable Parameter Single Degree-of-freedom Model for Predicting the Effects of Sitting Posture and Vibration Magnitude on the Vertical Apparent Mass of the Human Body. Industrial Health, 2010, 48, 654-662.	1.0	13
182	Effects of temperature on reductions in finger blood flow induced by vibration. International Archives of Occupational and Environmental Health, 2011, 84, 315-323.	2.3	13
183	Contributions of ocular vestibular evoked myogenic potentials and the electrooculogram to periocular potentials produced by whole-body vibration. Journal of Applied Physiology, 2012, 113, 1613-1623.	2.5	13
184	Discomfort of seated persons exposed to low frequency lateral and roll oscillation: Effect of seat cushion. Applied Ergonomics, 2014, 45, 1547-1557.	3.1	13
185	Predicting the subjective response to nonsteady vibration based on the summation of subjective magnitude. Journal of the Acoustical Society of America, 1984, 76, 1080-1089.	1.1	12
186	Reductions in finger blood flow in men and women induced by 125-Hz vibration: association with vibration perception thresholds. Journal of Applied Physiology, 2011, 111, 1606-1613.	2.5	12
187	Postural stability when walking: Effect of the frequency and magnitude of lateral oscillatory motion. Applied Ergonomics, 2014, 45, 293-299.	3.1	12
188	Assessment of two alternative standardised tests for the vascular component of the handâ€"arm vibration syndrome (HAVS). Occupational and Environmental Medicine, 2016, 73, 701-708.	2.8	12
189	Transmission of vibration through gloves: effects of contact area. Ergonomics, 2017, 60, 69-81.	2.1	12
190	Mechanisms of the effects of vibration frequency, level and duration on continuous manual control performance. Ergonomics, 1979, 22, 855-889.	2.1	11
191	Effects of 1â€Hz and 2â€Hz transient vertical vibration on discomfort. Journal of the Acoustical Society of America, 1995, 98, 2157-2164.	1.1	11
192	Effect of contact location on vibrotactile thresholds at the fingertip. Somatosensory & Motor Research, 2006, 23, 73-81.	0.9	11
193	The vibration discomfort of standing persons: evaluation of random and transient motions. Ergonomics, 2011, 54, 1228-1239.	2.1	11
194	The vibration of inclined backrests: perception and discomfort of vibration applied parallel to the back in the z-axis of the body. Ergonomics, 2011, 54, 1214-1227.	2.1	11
195	Response of the seated human body to whole-body vertical vibration: biodynamic responses to mechanical shocks. Ergonomics, 2017, 60, 333-346.	2.1	11
196	Transmission of vibration through glove materials: effects of contact force. Ergonomics, 2018, 61, 1246-1258.	2.1	11
197	Assessment of thermotactile and vibrotactile thresholds for detecting sensorineural components of the handâ€"arm vibration syndrome (HAVS). International Archives of Occupational and Environmental Health, 2018, 91, 35-45.	2.3	11
198	Effects of seating on the discomfort caused by mechanical shocks: Measurement and prediction of SEAT values. Applied Ergonomics, 2019, 74, 134-144.	3.1	11

#	Article	IF	Citations
199	Negligent exposures to hand-transmitted vibration. International Archives of Occupational and Environmental Health, 2008, 81, 645-659.	2.3	10
200	Motion Sickness with Combined Fore-Aft and Pitch Oscillation: Effect of Phase and the Visual Scene. Aviation, Space, and Environmental Medicine, 2009, 80, 946-954.	0.5	10
201	Motion Sickness with Combined Lateral and Roll Oscillation: Effect of Percentage Compensation. Aviation, Space, and Environmental Medicine, 2010, 81, 22-29.	0.5	10
202	The vibration discomfort of standing people: Relative importance of fore-and-aft, lateral, and vertical vibration. Applied Ergonomics, 2012, 43, 902-908.	3.1	10
203	Spatial summation of vibrotactile sensations at the foot. Medical Engineering and Physics, 2013, 35, 1221-1227.	1.7	10
204	Relation between vibrotactile perception thresholds and reductions in finger blood flow induced by vibration of the hand at frequencies in the range 8â€“250ÂHz. European Journal of Applied Physiology, 2014, 114, 1591-1603.	2.5	10
205	Frequency-dependence of discomfort caused by vibration and mechanical shocks. Ergonomics, 2018, 61, 1102-1115.	2.1	10
206	Human response to transportation noise and vibration. Journal of Sound and Vibration, 1973, 28, 375-401.	3.9	9
207	EFFECT OF PHASE ON HUMAN RESPONSES TO VERTICAL WHOLE-BODY VIBRATION AND SHOCKâ€"ANALYTICAL INVESTIGATION. Journal of Sound and Vibration, 2002, 250, 813-834.	3.9	9
208	Motion Sickness: Effect of Changes in Magnitude of Combined Lateral and Roll Oscillation. Aviation, Space, and Environmental Medicine, 2008, 79, 1019-1027.	0.5	9
209	Reduction in finger blood flow induced by hand-transmitted vibration: effect of hand elevation. International Archives of Occupational and Environmental Health, 2015, 88, 981-992.	2.3	9
210	Effect of frequency and direction of horizontal oscillation on motion sickness. Aviation, Space, and Environmental Medicine, 2002, 73, 537-43.	0.5	9
211	Measurement and evaluation of whole-body vibration at work. International Journal of Industrial Ergonomics, 1990, 6, 45-54.	2.6	8
212	Vibrotactile thresholds at the sole of the foot: Effect of vibration frequency and contact location. Somatosensory & Motor Research, 2011, 28, 86-93.	0.9	8
213	The Transmission of Vibration through Gloves to the Hand and to the Fingers: Effects of Material Dynamic Stiffness. Applied Mechanics and Materials, 0, 564, 149-154.	0.2	8
214	Reductions in finger blood flow induced by 125-Hz vibration: effect of location of contact with vibration. International Archives of Occupational and Environmental Health, 2016, 89, 425-433.	2.3	8
215	Equivalent comfort contours for fore-and-aft, lateral, and vertical whole-body vibration in the frequency range 1.0 to 10â€‰Hz. Ergonomics, 2018, 61, 1545-1559.	2.1	8
216	Normal values for finger systolic blood pressures in males and females. International Archives of Occupational and Environmental Health, 2008, 81, 625-632.	2.3	7

#	Article	IF	Citations
217	Acute effects of mechanical shocks on finger blood flow: influence of shock repetition rate and shock magnitude. International Archives of Occupational and Environmental Health, 2012, 85, 605-614.	2.3	7
218	Association between vasoconstriction during and following exposure to hand-transmitted vibration. International Archives of Occupational and Environmental Health, 2014, 87, 41-49.	2.3	7
219	Raynaud's phenomenon in workers exposed to vibration. Occupational and Environmental Medicine, 2001, 58, 279-280.	2.8	6
220	Thermotactile thresholds at the fingertip: Effect of contact area and contact location. Somatosensory & Motor Research, 2010, 27, 82-92.	0.9	6
221	Reductions in finger blood flow induced by 125-Hz vibration: effect of area of contact with vibration. European Journal of Applied Physiology, 2013, 113, 1017-1026.	2.5	6
222	Predicting and controlling risks from human exposures to vibration and mechanical shock: flag waving and flag weaving. Ergonomics, 2015, 58, 1063-1070.	2.1	6
223	Higher body fat percentage is associated with enhanced temperature perception in NAFLD: results from the randomised Wessex Evaluation of fatty Liver and Cardiovascular markers in NAFLD with OMacor thErapy trial (WELCOME) trial. Diabetologia, 2016, 59, 1422-1429.	6.3	6
224	Effect of room temperature on tests for diagnosing vibration-induced white finger: finger rewarming times and finger systolic blood pressures. International Archives of Occupational and Environmental Health, 2017, 90, 527-538.	2.3	6
225	Measuring vibration-induced variations in pressures between the human body and a seat. International Journal of Industrial Ergonomics, 2018, 67, 274-282.	2.6	6
226	Evaluating the motions of a semi-submersible platform with respect to human response. Applied Ergonomics, 1997, 28, 193-201.	3.1	5
227	Effect of phase on discomfort caused by vertical whole-body vibration and shockâ€"Experimental investigation. Journal of the Acoustical Society of America, 2002, 111, 1280-1288.	1.1	5
228	SECOND INTERNATIONAL CONFERENCE ON WHOLE-BODY VIBRATION INJURIES. Journal of Sound and Vibration, 2002, 253, 1-2.	3.9	5
229	Frequency dependence of perceived intensity of steering wheel vibration: effect of grip force. , 2007, , .		5
230	New understanding of the diagnosis of injuries caused by hand-transmitted vibration. International Archives of Occupational and Environmental Health, 2008, 81, 505-505.	2.3	5
231	Vibrotactile difference thresholds: Effects of vibration frequency, vibration magnitude, contact area, and body location. Somatosensory & Motor Research, 2012, 29, 28-37.	0.9	5
232	Motion sickness caused by roll-compensated lateral acceleration: Effects of centre-of-rotation and subject demographics. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2014, 228, 16-24.	2.0	5
233	Effects of Vibration on People. , 0, , 343-353.		4
234	Power absorbed during whole-body fore-and-aft vibration: Effects of sitting posture, backrest, and footrest. Journal of Sound and Vibration, 2012, 331, 252-262.	3.9	4

#	Article	IF	Citations
235	Vibrotactile perception thresholds at the sole of the foot: Effects of contact force and probe indentation. Medical Engineering and Physics, 2012, 34, 447-452.	1.7	4
236	Is the infant car seat challenge useful? A pilot study in a simulated moving vehicle. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2017, 102, F136-F141.	2.8	4
237	Vibrotactile Temporary Threshold Shifts Induced by Hand-transmitted Vibration during Underwater Work.. Industrial Health, 1995, 33, 89-99.	1.0	4
238	Difference thresholds for vibration of the foot: Dependence on frequency and magnitude of vibration. Journal of Sound and Vibration, 2011, 330, 805-815.	3.9	3
239	Effect of reclining a seat on the discomfort from vibration and shock on fast boats. Ergonomics, 2015, 58, 1151-1161.	2.1	3
240	The vibration discomfort of standing people: evaluation of multi-axis vibration. Ergonomics, 2015, 58, 1647-1659.	2.1	3
241	Transmission of fore-and-aft vibration to the seat pan, the backrest and the headrest of a car seat. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2016, 230, 736-744.	1.9	3
242	Effects of duration and vibration on performance of a continuous manual control task. Ergonomics, 1993, 36, 645-659.	2.1	2
243	Evaluation of Floor Vibrations Induced by Walking Barefoot in Heavyweight Buildings. Acta Acustica United With Acustica, 2015, 101, 1199-1210.	0.8	2
244	Masking of thresholds for the perception of fore-and-aft vibration of seat backrests. Applied Ergonomics, 2015, 50, 200-206.	3.1	2
245	Ocular vestibular evoked myogenic potentials elicited with vibration applied to the teeth. Clinical Neurophysiology, 2016, 127, 833-841.	1.5	2
246	Nonlinearity of Biodynamic Response to Shock-Type Vertical Whole-Body Vibration. Transactions of the Korean Society of Mechanical Engineers, A, 2007, 31, 145-151.	0.2	2
247	Effect of magnitude and direction of horizontal oscillation on motion sickness. Aviation, Space, and Environmental Medicine, 2002, 73, 640-6.	0.5	2
248	Vibration and Motion. , 2006, , 590-611.		1
249	Effect of prior exposure to hand-transmitted vibration on cold response of digital arteries. International Archives of Occupational and Environmental Health, 2007, 80, 281-289.	2.3	1
250	Postural stability when walking and exposed to lateral oscillatory motion: benefits from hand supports. Ergonomics, 2015, 58, 291-300.	2.1	1
251	Postural Stability When Walking and Exposed to Mediolateral Oscillatory Motion: Effect of Oscillation Waveform. Journal of Applied Biomechanics, 2019, 35, 131-139.	0.8	1
252	A STUDY OF THE DYNAMIC RESPONSE OF THE HUMAN BODY TO VERTICAL WHOLE-BODY VIBRATION. Doboku Gakkai Ronbunshu, 2002, 2002, 185-201.	0.2	0