Matthew P Reed

List of Publications by Year
in descending order

234 papers	3,573 citations	257450 24 h-index	276875 41 g-index
239 all docs	239 docs citations	239 times ranked	1847 citing authors

#	Article	IF	Citations
1	A parametric modeling of adult body shape in a supported seated posture including effects of age. Ergonomics, 2022, 65, 795-803.	2.1	3
2	A naturalistic study of passenger seating position, posture, and restraint use in second-row seats. Traffic Injury Prevention, 2022, 23, S20-S25.	1.4	1
3	A three-dimensional parametric adult head model with representation of scalp shape variability under hair. Applied Ergonomics, 2021, 90, 103239.	3.1	10
4	Effect of Class Iâ€“III obesity on driver seat belt fit. Traffic Injury Prevention, 2021, 22, 547-552.	1.4	2
5	Predicting pelvis geometry using a morphometric model with overall anthropometric variables. Journal of Biomechanics, 2021, 126, 110633.	2.1	6
6	U.S. vehicle occupancy trends relevant to future automated vehicles and mobility services. Traffic Injury Prevention, 2021, 22, S116-S121.	1.4	0
7	Validating diverse human body models against side impact tests with post-mortem human subjects. Journal of Biomechanics, 2020, 98, 109444.	2.1	13
8	Prevalence of non-nominal seat positions and postures among front-seat passengers. Traffic Injury Prevention, 2020, 21, S7-S12.	1.4	19
9	Static, Dynamic, and Cognitive Fit of Exosystems for the Human Operator. Human Factors, 2020, 62, 424-440.	3.5	36
10	Child Posture and Belt Fit in a Range of Booster Configurations. International Journal of Environmental Research and Public Health, 2020, 17, 810.	2.6	7
11	Comparison of three-point belt fit between humans and Hybrid-III anthropometric test devices in a driver mockup. Traffic Injury Prevention, 2020, 21, 98-101.	1.4	0
12	Restraint systems considering occupant diversity and pre-crash posture. Traffic Injury Prevention, 2020, 21, S31-S36.	1.4	8
13	Restraint Systems in Tactical Vehicles: Uncertainty Study Involving Airbags, Seatbelts, and Military Gear. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2019, 5, .	1.1	0
14	Frontal crash simulations using parametric human models representing a diverse population. Traffic Injury Prevention, 2019, 20, S97-S105.	1.4	33
15	Motion sickness in passenger vehicles during test track operations. Ergonomics, 2019, 62, 1357-1371.	2.1	27
16	Effects of child restraint misuse on dynamic performance. Traffic Injury Prevention, 2019, 20, 860-865.	1.4	6
17	Predicting vehicle occupant postures using statistical models. , 2019, , 799-803.		0
18	Posture and belt fit in reclined passenger seats. Traffic Injury Prevention, 2019, 20, S38-S42.	1.4	20

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19	Anatomically-based skeletal coordinate systems for use with impact biomechanics data intended for anthropomorphic test device development. Journal of Biomechanics, 2019, 92, 162-168.	2.1	10
20	Anthropometric Dimensions of Individuals With High Body Mass Index. Human Factors, 2019, 61, 1277-1296.	3.5	11
21	Comparison across vehicles of passenger head kinematics in abrupt vehicle maneuvers. Traffic Injury Prevention, 2019, 20, S128-S132.	1.4	4
22	Sample size calculations for a functional human motion analysis: Application to vehicle ingress discomfort prediction. International Journal of Industrial Ergonomics, 2019, 69, 23-28.	2.6	0
23	Accommodation Assessments for Vehicle Occupants Using Augmented Reality. Advances in Intelligent Systems and Computing, 2019, , 3-9.	0.6	1
24	Freshwater Mussels (Bivalvia: Margaritiferidae and Unionidae) of the Buffalo River Drainage, Tennessee. Southeastern Naturalist, 2019, 18, 346.	0.4	3
25	The influence of pre-existing rib fractures on Global Human Body Models Consortium thorax response in frontal and oblique impact. Journal of Biomechanics, 2018, 69, 54-63.	2.1	5
26	Evaluating an intervention to improve belt fit for adult occupants. Journal of Safety Research, 2018, 64, 93-104.	3.6	1
27	Evaluating an intervention to improve belt fit for adult occupants: Promoting positive beliefs. Journal of Safety Research, 2018, 64, 105-111.	3.6	5
28	Comparison of three-point belt fit between humans and ATDs in rear seats. Traffic Injury Prevention, 2018, 19, S65-S69.	1.4	7
29	Development of a three-dimensional body shape model of young children for child restraint design. Computer Methods in Biomechanics and Biomedical Engineering, 2018, 21, 784-794.	1.6	5
30	Modeling Hand Trajectories during Sequential Reach Movements in a Pulley Threading Task. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 823-827.	0.3	0
31	Driver head locations: Considerations for head restraint design. Traffic Injury Prevention, 2018, 19, 825-831.	1.4	1
32	Passenger head kinematics in abrupt braking and lane change events. Traffic Injury Prevention, 2018, 19, S70-S77.	1.4	15
33	Applicability of Occupant Packaging and Interior Ergonomics Tools to Highly Automated Vehicles. , 2018, , .		1
34	In-Vehicle Occupant Head Tracking Using aLow-Cost Depth Camera. , 2018, , .		7
35	Development of seating accommodation models for soldiers in vehicles. Ergonomics, 2017, 60, 589-596.	2.1	9
36	Statistical prediction of eye locations for drivers of military ground vehicles. International Journal of Industrial Ergonomics, 2017, 59, 20-28.	2.6	4

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37	The influence of personal protection equipment, occupant body size, and restraint system on the frontal impact responses of Hybrid III ATDs in tactical vehicles. Traffic Injury Prevention, 2017, 18, 642-649.	1.4	10
38	Validation of a parametric finite element human femur model. Traffic Injury Prevention, 2017, 18, 420-426.	1.4	13
39	A parametric model of child body shape in seated postures. Traffic Injury Prevention, 2017, 18, 533-536.	1.4	22
40	Spatial and Temporal Patterns in Sequential Precision Reach Movements. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 929-930.	0.3	1
41	Quantifying the in vivo quasi-static response to loading of sub-dermal tissues in the human buttock using magnetic resonance imaging. Clinical Biomechanics, 2017, 50, 70-77.	1.2	7
42	Impact Response Comparison Between Parametric Human Models and Postmortem Human Subjects with a Wide Range of Obesity Levels. Obesity, 2017, 25, 1786-1794.	3.0	14
43	Does unbelted safety requirement affect protection for belted occupants?. Traffic Injury Prevention, 2017, 18, S85-S95.	1.4	12
44	An automated method to morph finite element whole-body human models with a wide range of stature and body shape for both men and women. Journal of Biomechanics, 2017, 60, 253-260.	2.1	49
45	Development of A New Dynamic Rollover Test Methodology for Heavy Vehicles. , 2017, , .		3
46	Characterizing Vehicle Occupant Body Dimensions and Postures Using a Statistical Body Shape Model. , 2017, , .		1
47	Influence of automobile seat form and comfort rating on willingness-to-pay. International Journal of Vehicle Design, 2017, 75, 75.	0.3	7
48	Statistical Modeling of Automotive Seat Shapes. , 2016, , .		2
49	Development of an Automatic Seat-Dimension Extraction System. , 2016, , .		7
50	Evaluation of the Seat Index Point Tool for Military Seats. SAE International Journal of Commercial Vehicles, 2016, 9, 14-20.	0.4	2
51	A Pilot Study of Occupant Accommodation and Seat Belt Fit for Law Enforcement Officers. , 2016, , .		1
52	Predicting Subjective Responses From Human Motion: Application to Vehicle Ingress Assessment. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2016, 138, .	2.2	6
53	Predicting vehicle belt fit for children ages 6â€“12. Traffic Injury Prevention, 2016, 17, 58-64.	1.4	5
54	A parametric ribcage geometry model accounting for variations among the adult population. Journal of Biomechanics, 2016, 49, 2791-2798.	2.1	46

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55	Development of Three-Dimensional Anthropometry Methods for Patients with High Body Mass Index. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 1036-1040.	0.3	1
56	A computational study of seat and seatbelt performance for protecting 6-12 year-old children in frontal crashes. International Journal of Vehicle Design, 2016, 70, 29.	0.3	2
57	A Pilot Study of the Effects of Pulley Location and Design Parameters on Hand Movements during Pulley Threading Operations. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 908-912.	0.3	1
58	Development and Validation of a High Anatomical Fidelity FE Model for the Buttock and Thigh of a Seated Individual. Annals of Biomedical Engineering, 2016, 44, 2805-2816.	2.5	36
59	Statistical Models for Predicting Automobile Driving Postures for Men and Women Including Effects of Age. Human Factors, 2016, 58, 261-278.	3.5	23
60	A statistical model including age to predict passenger postures in the rear seats of automobiles. Ergonomics, 2016, 59, 796-805.	2.1	20
61	Modeling spatial trajectories in dynamics testing using basis splines: application to tracking human volunteers in low-speed frontal impacts. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 1046-1052.	1.6	1
62	Development, Evaluation, and Sensitivity Analysis of Parametric Finite Element Whole-Body Human Models in Side Impacts. Stapp Car Crash Journal, 2016, 60, 473-508.	1.1	15
63	Perceived Difficulty for Seated Reach Motions. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 677-680.	0.3	0
64	Development of Methods to Assess Self-Reach Capability. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 1283-1287.	0.3	0
65	A Statistical Skull Geometry Model for Children 0-3 Years Old. PLoS ONE, 2015, 10, e0127322.	2.5	64
66	Effects of obesity on occupant responses in frontal crashes: a simulation analysis using human body models. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 1280-1292.	1.6	36
67	Development of an Optimization Method for Locating the Pelvis in an Automobile Seat. Procedia Manufacturing, 2015, 3, 3738-3744.	1.9	6
68	An updated estimate of the body dimensions of US children. Ergonomics, 2015, 58, 1045-1057.	2.1	8
69	Identifying and classifying force-generation strategies for one-hand isometric force exertion tasks with bracing availability. Theoretical Issues in Ergonomics Science, 2015, 16, 326-344.	1.8	4
70	Deformation of the gluteal soft tissues during sitting. Clinical Biomechanics, 2015, 30, 662-668.	1.2	23
71	Development and Validation of Statistical Models of Femur Geometry for Use with Parametric Finite Element Models. Annals of Biomedical Engineering, 2015, 43, 2503-2514.	2.5	43
72	A Simulation Study on the Efficacy of Advanced Belt Restraints to Mitigate the Effects of Obesity for Rear-Seat Occupant Protection in Frontal Crashes. Traffic Injury Prevention, 2015, 16, S75-S83.	1.4	16

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73	Informative Sensor and Feature Selection via Hierarchical Nonnegative Garrote. Technometrics, 2015, 57, 514-523.	1.9	16
74	Evaluation of ISO CRS Envelopes Relative to U.S. Vehicles and Child Restraint Systems. Traffic Injury Prevention, 2015, 16, 781-785.	1.4	2
75	Parametric body shape model of standing children aged 3â€“11 years. Ergonomics, 2015, 58, 1714-1725.	2.1	32
76	Child body shape measurement using depth cameras and a statistical body shape model. Ergonomics, 2015, 58, 301-309.	2.1	25
77	Development and Validation of an Older Occupant Finite Element Model of a Mid-Sized Male for Investigation of Age-related Injury Risk. Stapp Car Crash Journal, 2015, 59, 359-83.	1.1	24
78	Predicting Subjective Responses From Human Motion: Application to Vehicle Ingress Assessment. , 2014, , .		0
79	Kinematics of Pediatric Crash Dummies Seated on Vehicle Seats with Realistic Belt Geometry. Traffic Injury Prevention, 2014, 15, 866-874.	1.4	4
80	Effects of child restraint system features on installation errors. Applied Ergonomics, 2014, 45, 270-277.	3.1	18
81	Comparing the effects of age, BMI and gender on severe injury (AIS 3+) in motor-vehicle crashes. Accident Analysis and Prevention, 2014, 72, 146-160.	5.7	77
82	A statistical human rib cage geometry model accounting for variations by age, sex, stature and body mass index. Journal of Biomechanics, 2014, 47, 2277-2285.	2.1	89
83	Creating Custom Human Avatars for Ergonomic Analysis using Depth Cameras. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 1590-1594.	0.3	2
84	Response and Tolerance of Female and/or Elderly PMHS to Lateral Impact. Stapp Car Crash Journal, 2014, 58, 423-63.	1.1	3
85	Effects of BMI on the risk and frequency of AIS 3+ injuries in motorâ€vehicle crashes. Obesity, 2013, 21, E88-97.	3.0	49
86	Child Passenger Restraints in Relation to Other Second-Row Passengers: An Analysis of the 2007â€“2009 National Survey of the Use of Booster Seats. Traffic Injury Prevention, 2013, 14, 209-214.	1.4	3
87	Effects of task characteristics on unimanual and bimanual movement times. Ergonomics, 2013, 56, 612-622.	2.1	5
88	An Anthropometric Comparison of Current ATDs with the U.S. Adult Population. Traffic Injury Prevention, 2013, 14, 703-705.	1.4	13
89	Rear Seat Restraint System Optimization for Older Children in Frontal Crashes. Traffic Injury Prevention, 2013, 14, 614-622.	1.4	16
90	Pediatric Anthropometry. , 2013, , 1-31.		1

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91	Effects of vehicle seat and belt geometry on belt fit for children with and without belt positioning booster seats. Accident Analysis and Prevention, 2013, 50, 512-522.	5.7	29
92	The effect of bracing availability on one-hand isometric force exertion capability. Ergonomics, 2013, 56, 667-681.	2.1	13
93	Step scaling and behaviour selection in a constrained set of manual material handling transfers. Ergonomics, 2013, 56, 964-976.	2.1	0
94	A Simulation Study of Spine Biofidelity in the Hybrid-III 6-Year-Old ATD. Traffic Injury Prevention, 2013, 14, 397-404.	1.4	3
95	Optimizing the Rear Seat Environment for Older Children, Adults, and Infants. Traffic Injury Prevention, 2013, 14, S13-S22.	1.4	9
96	On the impact of the regulatory frontal crash test speed on optimal vehicle design and road traffic injuries. International Journal of Vehicle Design, 2013, 63, 39.	0.3	1
97	Development of a Methodology for Simulating Seat Back Interaction Using Realistic Body Contours. SAE International Journal of Passenger Cars - Mechanical Systems, 2013, 6, 623-628.	0.4	5
98	Effects of driver characteristics on seat belt fit. Stapp Car Crash Journal, 2013, 57, 43-57.	1.1	25
99	PMHS impact response in 3 m/s and 8 m/s nearside impacts with abdomen offset. Stapp Car Crash Journal, 2013, 57, 387-425.	1.1	4
100	Quantifying Cervical-Spine Curvature Using BÃ©zier Splines. Journal of Biomechanical Engineering, 2012, 134, 114503.	1.3	8
101	Effects of Obesity on Seat Belt Fit. Traffic Injury Prevention, 2012, 13, 364-372.	1.4	51
102	A Pilot Study of Three-Dimensional Child Anthropometry for Vehicle Safety Analysis. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 2326-2330.	0.3	5
103	Development and validation of a parametric child anthropomorphic test device model representing 6â€“12-year-old children. International Journal of Crashworthiness, 2012, 17, 606-620.	1.9	7
104	Integration of Physical and Cognitive Human Models to Simulate Driving With a Secondary In-Vehicle Task. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 967-972.	8.0	11
105	Development and validation of a modified Hybrid-III six-year-old dummy model for simulating submarining in motor-vehicle crashes. Medical Engineering and Physics, 2012, 34, 541-551.	1.7	23
106	Driver Report of Improper Seat Belt Position Among 4- to 9-Year-old Children. Academic Pediatrics, 2011, 11, 487-492.	2.0	6
107	Understanding Work Task Assessment Sensitivity to the Prediction of Standing Location. , 2011, , .		2
108	An Eyellipse for Rear Seats with Fixed Seat Back Angles. SAE International Journal of Passenger Cars - Mechanical Systems, 2011, 4, 586-590.	0.4	4

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109	Influence of Object Weight and Terminal Orientation on Upper Limb Postures during Grasping, Holding, and Placing Cylindrical Object. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 963-967.	0.3	0
110	Development, Validation, and Application of a Parametric Pediatric Head Finite Element Model for Impact Simulations. Annals of Biomedical Engineering, 2011, 39, 2984-2997.	2.5	74
111	A study of the difference between nominal and actual hand forces in two-handed sagittal plane whole-body exertions. Ergonomics, 2011, 54, 47-59.	2.1	15
112	Creating virtual user populations by analysis of anthropometric data. International Journal of Industrial Ergonomics, 2010, 40, 106-111.	2.6	45
113	The Effect of Bracing Availability on Force-Exertion Capability in One-Hand Isometric Pulling Tasks. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 1169-1173.	0.3	2
114	The development of a model to predict the effects of worker and task factors on foot placements in manual material handling tasks. Ergonomics, 2010, 53, 1368-1384.	2.1	16
115	A model of head movement contribution for gaze transitions. Ergonomics, 2010, 53, 447-457.	2.1	12
116	Development and Testing of a More Realistic Pelvis for the Hybrid III 6-Year-Old ATD. Traffic Injury Prevention, 2010, 11, 606-612.	1.4	19
117	Dynamic Performance of Child Restraints with Two-Point Belt Securement. , 2009, , .		0
118	Modeling Ascending and Descending Stairs Using the Human Motion Simulation Framework. , 2009, , .		4
119	Comparison of ATD and Driver Knee Positions. , 2009, , .		0
120	Foot motions in manual material handling transfer tasks: A taxonomy and data from an automotive assembly plant. Ergonomics, 2009, 52, 362-383.	2.1	13
121	Evaluation of the static belt fit provided by belt-positioning booster seats. Accident Analysis and Prevention, 2009, 41, 598-607.	5.7	32
122	Anthropometric specification of child crash dummy pelves through statistical analysis of skeletal geometry. Journal of Biomechanics, 2009, 42, 1143-1145.	2.1	23
123	Effect of In-Vehicle Touch Screen Position on Driver Performance. Proceedings of the Human Factors and Ergonomics Society, 2008, 52, 1893-1897.	0.3	5
124	Modeling Variability in Torso Shape for Chair and Seat Design. , 2008, , .		27
125	Force-Exertion Postures with External Bracing in Industrial Tasks: Data from an Automotive Assembly Plant. Proceedings of the Human Factors and Ergonomics Society, 2008, 52, 1049-1053.	0.3	4
126	Optimizing Truck Cab Layout for Driver Accommodation. Journal of Mechanical Design, Transactions of the ASME, 2007, 129, 1110-1117.	2.9	43

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127	Responsiveness of the TAWC tool for assessing wheelchair discomfort. Disability and Rehabilitation: Assistive Technology, 2007, 2, 97-103.	2.2	9
128	The Relationship between Hand Force Direction and Posture during Two-Handed Pushing Tasks. Proceedings of the Human Factors and Ergonomics Society, 2007, 51, 928-932.	0.3	2
129	A Dynamic Seating Intervention for Wheelchair Seating Discomfort. American Journal of Physical Medicine and Rehabilitation, 2007, 86, 988-993.	1.4	18
130	Statistics for Digital Human Motion Modeling in Ergonomics. Technometrics, 2007, 49, 277-290.	1.9	38
131	Standing Reach Envelopes Incorporating Anthropometric Variance and Postural Cost. , 2007, , .		3
132	The Virtual Driver: Integrating Task Planning and Cognitive Simulation with Human Movement Models. , 2007, , .		4
133	An Integrated Model of Gait and Transition Stepping for Simulation of Industrial Workcell Tasks. , 2007, , .		5
134	Assessing the Importance of Motion Dynamics for Ergonomic Analysis of Manual Materials Handling Tasks using the AnyBody Modeling System. , 2007, , .		16
135	Body-pillar vision obstructions and lane-change crashes. Journal of Safety Research, 2007, 38, 557-561.	3.6	13
136	Modelling three-dimensional trajectories by using BÃ©zier curves with application to hand motion. Journal of the Royal Statistical Society Series C: Applied Statistics, 2007, 56, 571-585.	1.0	36
137	Optimizing Vehicle Occupant Packaging. , 2006, , .		48
138	Considering Driver Balance Capability in Truck Shifter Design. , 2006, , .		4
139	Improved Head Restraint Design for Safety and Compliance. , 2006, , 133.		10
140	Influence of visibility out of the vehicle cabin on lane-change crashes. Accident Analysis and Prevention, 2006, 38, 969-972.	5.7	10
141	Improved positioning procedures for 6YO and 10YO ATDs based on child occupant postures. Stapp Car Crash Journal, 2006, 50, 337-88.	1.1	21
142	Improving an Ergonomics Testing Procedure via Approximation-based Adaptive Experimental Design. Journal of Mechanical Design, Transactions of the ASME, 2005, 127, 1006-1013.	2.9	27
143	A pilot study of a method for assessing the reach capability of wheelchair users for safety belt design. Applied Ergonomics, 2005, 36, 523-528.	3.1	9
144	Representing and identifying alternative movement techniques for goal-directed manual tasks. Journal of Biomechanics, 2005, 38, 519-527.	2.1	46

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145	Geometric Visibility of Mirror Mounted Turn Signals. , 2005, , .		1
146	A New Database of Child Anthropometry and Seated Posture for Automotive Safety Applications. , 2005, , .		11
147	Predicting Foot Positions for Manual Materials Handling Tasks. , 2005, , .		8
148	Critical Features in Human Motion Simulation for Ergonomic Analysis. Proceedings of the Human Factors and Ergonomics Society, 2005, 49, 1196-1199.	0.3	3
149	Robust Truck Cabin Layout Optimization Using Advanced Driver Variance Models. , 2005, , 1103.		7
150	Test-Retest Reliability, Internal Item Consistency, and Concurrent Validity of the Wheelchair Seating Discomfort Assessment Tool. Assistive Technology, 2005, 17, 98-107.	2.0	25
151	Development of ATD Installation Procedures Based on Rear-Seat Occupant Postures. Stapp Car Crash Journal, 2005, 49, 381-421.	1.1	15
152	Development of Surrogate Child Restraints for Testing Occupant Sensing and Classification Systems. , 2004, , .		2
153	Sitter-Selected Postures in an Office Chair with Minimal Task Constraints. Proceedings of the Human Factors and Ergonomics Society, 2004, 48, 1086-1090.	0.3	5
154	Development of a consumer-driven Wheelchair Seating Discomfort Assessment Tool (WcS-DAT). International Journal of Rehabilitation Research, 2004, 27, 85-90.	1.3	30
155	Cervical spine geometry in the automotive seated posture: variations with age, stature, and gender. Stapp Car Crash Journal, 2004, 48, 301-30.	1.1	18
156	Assessing the Validity of Kinematically Generated Reach Envelopes for Simulations of Vehicle Operators. , 2003, , .		15
157	A Pilot Study of the Effects of Vertical Ride Motion on Reach Kinematics. , 2003, , .		8
158	Adaptive Experimental Design Applied to Ergonomics Testing Procedure. , 2002, , 529.		27
159	A Statistical Method for Predicting Automobile Driving Posture. Human Factors, 2002, 44, 557-568.	3.5	98
160	Development of Seatbelt Fit Assessment Components for the ASPECT Manikin. , 2002, , .		1
161	Characterization of Driver Seatbelt Donning Behavior. , 2002, , .		5
162	Development of Anthropometric Specifications for the Six-Year-Old OCATD. , 2001, , .		3

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163	New Tools for Vehicle Interior Design. Proceedings of the Human Factors and Ergonomics Society, 2001, 45, 1138-1140.	0.3	1
164	Creating Human Figure Models for Ergonomic Analysis from Whole-Body Scan Data. Proceedings of the Human Factors and Ergonomics Society, 2001, 45, 1040-1043.	0.3	2
165	Methods for Laboratory Investigation of Truck and Bus Driver Postures. , 2000, , .		10
166	Effects of Vehicle Interior Geometry and Anthropometric Variables on Automobile Driving Posture. Human Factors, 2000, 42, 541-552.	3.5	68
167	The Effects of Forward Vision Restriction on Automobile Driver Posture. Transportation Human Factors, 2000, 2, 173-189.	0.3	7
168	Development of an Improved Airbag-Induced Thermal Skin Burn Model. , 1999, , .		0
169	New Concepts in Vehicle Interior Design Using ASPECT. , 1999, , .		13
170	Human Subject Testing in Support of ASPECT. , 1999, , .		8
171	Investigating Driver Headroom Perception: Methods and Models. , 1999, , .		4
172	Design and Development of the ASPECT Manikin. , 1999, , .		12
173	Comparison of driving performance on-road and in a low-cost simulator using a concurrent telephone dialling task. Ergonomics, 1999, 42, 1015-1037.	2.1	283
174	Comparison of Airbag-Aggressivity Predictors in Relation to Forearm Fractures. , 1998, , .		3
175	An Improved Seating Accommodation Model with Application to Different User Populations. , 1998, , .		46
176	ATD Positioning Based on Driver Posture and Position. , 1998, , .		25
177	Facial, Periorbital and Ocular Injuries Related to Steering-Wheel Airbag Deployments. , 1997, , .		3
178	Distribution of Automobile Trip Durations for Studies of Seat Comfort. , 1996, , .		4
179	Some Effects of Lumbar Support Contour on Driver Seated Posture. , 1995, , .		16
180	Laboratory Investigations and Mathematical Modeling of Airbag-Induced Skin Burns. , 1994, , .		10

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181	An Investigation of Driver Discomfort and Related Seat Design Factors in Extended-Duration Driving. , 0, , .		35
182	Investigation of Airbag-Induced Skin Abrasions. , 0, , .		17
183	A Laboratory Technique for Assessing the Skin Abrasion Potential of Airbags. , 0, , .		4
184	Lumbar Support in Auto Seats: Conclusions from a Study of Preferred Driving Posture. , 0, , .		18
185	Biomechanical Investigation of Airbag-Induced Upper-Extremity Injuries. , 0, , .		29
186	Development of an Improved Driver Eye Position Model. , 0, , .		28
187	Automobile Occupant Posture Prediction for Use with Human Models. , 0, , .		21
188	Methods for Laboratory Investigation of Airbag-Induced Thermal Skin Burns. , 0, , .		0
189	ASPECT: The Next-Generation H-Point Machine and Related Vehicle and Seat Design and Measurement Tools. , 0, , .		14
190	Methods for Measuring and Representing Automobile Occupant Posture. , 0, , .		103
191	ASPECT Manikin Applications and Measurements for Design, Audit, and Benchmarking. , 0, , .		5
192	Anthropometry for WorldSID A World-Harmonized Midsize Male Side Impact Crash Dummy. , 0, , .		18
193	Anthropometric and Postural Variability: Limitations of the Boundary Manikin Approach. , 0, , .		23
194	Comparison of Methods for Predicting Automobile Driver Posture. , 0, , .		14
195	Improved ATD Positioning Procedures. , 0, , .		8
196	Modeling Population Distributions of Subjective Ratings. , 0, , .		9
197	Methods for In-Vehicle Measurement of Truck Driver Postures. , 0, , .		7
198	A Method for Measuring the Field of View in Vehicle Mirrors. , 0, , .		5

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199	A New Approach to Modeling Driver Reach. , 0, , .		27
200	Application of Digital Human Modeling to the Design of a Postal Delivery Vehicle. , 0, , .		5
201	The HUMOSIM Ergonomics Framework: A New Approach to Digital Human Simulation for Ergonomic Analysis. , 0, , .		35
202	A Task-Based Stepping Behavior Model for Digital Human Models. , 0, , .		8
203	Comparison of Child Body Dimensions with Rear Seat Geometry. , 0, , .		24
204	Behavior-Based Model of Clavicle Motion for Simulating Seated Reaches. , 0, , .		5
205	Predicting Force-Exertion Postures from Task Variables. , 0, , .		12
206	Postural Behaviors during One-Hand Force Exertions. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 1, 1136-1142.	0.4	6
207	Modeling Vehicle Ingress and Egress Using the Human Motion Simulation Framework. , 0, , .		21
208	Simulating Complex Automotive Assembly Tasks using the HUMOSIM Framework. , 0, , .		2
209	Validation of the Human Motion Simulation Framework: Posture Prediction for Standing Object Transfer Tasks. , 0, , .		0
210	Design and Testing of a Child Restraint for Developing Countries Using Low-Technology Manufacturing Methods. , 0, , .		0
211	Measurement of the Contour and Deflection of Vehicle Seats for Comparison with the FMVSS 213 Dynamic Test Bench. , 0, , .		6
212	Distribution of Belt Anchorage Locations in the Second Row of Passenger Cars and Light Trucks. SAE International Journal of Transportation Safety, 0, 1, 25-31.	0.4	7
213	Driver Preference for Fore-Aft Steering Wheel Location. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 6, 629-635.	0.4	4
214	Development, Evaluation, and Sensitivity Analysis of Parametric Finite Element Whole-Body Human Models in Side Impacts. , 0, , .		15
215	Uncertainty Assessment in Restraint System Optimization for Occupants of Tactical Vehicles. SAE International Journal of Materials and Manufacturing, 0, 9, 436-443.	0.3	3
216	Rapid Development of Diverse Human Body Models for Crash Simulations through Mesh Morphing. , 0, , .		15

#	Article	IF	Citations
217	Effects of Seat and Sitter Dimensions on Pressure Distribution in Automotive Seats. , 0, , .		8
218	Development of a Vehicle-Based Experimental Platform for Quantifying Passenger Motion Sickness during Test Track Operations. , 0, , .		4
219	Optimizing Occupant Restraint Systems for Tactical Vehicles in Frontal Crashes. , 0, , .		0
220	Upper-Extremity Postures and Activities in Naturalistic Driving. , 0, , .		1
221	The Tolerance of the Human Hip to Dynamic Knee Loading. , 0, , .		28
222	Effects of Hip Posture on the Frontal Impact Tolerance of the Human Hip Joint. , 0, , .		13
223	Cervical Spine Geometry in the Automotive Seated Posture: Variations with Age, Stature, and Gender. , 0, , .		9
224	Predicting the Effects of Muscle Activation on Knee, Thigh, and Hip Injuries in Frontal Crashes Using a Finite-Element Model with Muscle Forces from Subject Testing and Musculoskeletal Modeling. , 0, , .		8
225	Effects of Driver Characteristics on Seat Belt Fit. , 0, , .		16
226	PMHS Impact Response in 3 m/s and 8 m/s Nearside Impacts with Abdomen Offset. , 0, , .		7
227	Development and Validation of an Older Occupant Finite Element Model of a Mid-Sized Male for Investigation of Age-related Injury Risk. , 0, , .		16
228	Optimizing Seat Belt and Airbag Designs for Rear Seat Occupant Protection in Frontal Crashes. , 0, , .		13
229	Sensations Associated with Motion Sickness Response during Passenger Vehicle Operations on a Test Track. SAE International Journal of Advances and Current Practices in Mobility, 0, 1, 1398-1403.	2.0	2
230	Development of ATD Installation Procedures Based on Rear-Seat Occupant Postures. , 0, , .		8
231	Improved Positioning Procedures for 6YO and 10YO ATDs Based on Child Occupant Postures. , 0, , .		8
232	Characterization of Knee-Thigh-Hip Response in Frontal Impacts Using Biomechanical Testing and Computational Simulations. , 0, , .		11
233	Response and Tolerance of Female and/or Elderly PMHS to Lateral Impact. , 0, , .		3
234	Comfortable Head and Neck Postures in Reclined Seating for Use in Automobile Head Rest Design. , 0, , .		1