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	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
2	Methods for Measuring and Representing Automobile Occupant Posture. , 0, , .		103
3	A Statistical Method for Predicting Automobile Driving Posture. Human Factors, 2002, 44, 557-568.	3.5	98
4	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
5	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
6	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
7	Effects of Vehicle Interior Geometry and Anthropometric Variables on Automobile Driving Posture. Human Factors, 2000, 42, 541-552.	3.5	68
8	A Statistical Skull Geometry Model for Children 0-3 Years Old. PLoS ONE, 2015, 10, e0127322.	2.5	64
9	Effects of Obesity on Seat Belt Fit. Traffic Injury Prevention, 2012, 13, 364-372.	1.4	51
10	Effects of BMI on the risk and frequency of AIS 3+ injuries in motor€vehicle crashes. Obesity, 2013, 21, E88-97.	3.0	49
11	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
12	Optimizing Vehicle Occupant Packaging. , 2006, , .		48
13	An Improved Seating Accommodation Model with Application to Different User Populations. , 1998, , .		46
14	Representing and identifying alternative movement techniques for goal-directed manual tasks. Journal of Biomechanics, 2005, 38, 519-527.	2.1	46
15	A parametric ribcage geometry model accounting for variations among the adult population. Journal of Biomechanics, 2016, 49, 2791-2798.	2.1	46
16	Creating virtual user populations by analysis of anthropometric data. International Journal of Industrial Ergonomics, 2010, 40, 106-111.	2.6	45
17	Optimizing Truck Cab Layout for Driver Accommodation. Journal of Mechanical Design, Transactions of the ASME, 2007, 129, 1110-1117.	2.9	43
18	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

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19	Statistics for Digital Human Motion Modeling in Ergonomics. Technometrics, 2007, 49, 277-290.	1.9	38
20	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
21	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
22	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
23	Static, Dynamic, and Cognitive Fit of Exosystems for the Human Operator. Human Factors, 2020, 62, 424-440.	3.5	36
24	An Investigation of Driver Discomfort and Related Seat Design Factors in Extended-Duration Driving. , 0, , .		35
25	The HUMOSIM Ergonomics Framework: A New Approach to Digital Human Simulation for Ergonomic Analysis. , 0, , .		35
26	Frontal crash simulations using parametric human models representing a diverse population. Traffic Injury Prevention, 2019, 20, S97-S105.	1.4	33
27	Evaluation of the static belt fit provided by belt-positioning booster seats. Accident Analysis and Prevention, 2009, 41, 598-607.	5.7	32
28	Parametric body shape model of standing children aged 3â€"11 years. Ergonomics, 2015, 58, 1714-1725.	2.1	32
29	Development of a consumer-driven Wheelchair Seating Discomfort Assessment Tool (WcS-DAT). International Journal of Rehabilitation Research, 2004, 27, 85-90.	1.3	30
30	Biomechanical Investigation of Airbag-Induced Upper-Extremity Injuries. , 0, , .		29
31	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
32	Development of an Improved Driver Eye Position Model. , 0, , .		28
33	The Tolerance of the Human Hip to Dynamic Knee Loading. , 0, , .		28
34	Adaptive Experimental Design Applied to Ergonomics Testing Procedure. , 2002, , 529.		27
35	A New Approach to Modeling Driver Reach. , 0, , .		27
36	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

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37	Modeling Variability in Torso Shape for Chair and Seat Design. , 2008, , .		27
38	Motion sickness in passenger vehicles during test track operations. Ergonomics, 2019, 62, 1357-1371.	2.1	27
39	ATD Positioning Based on Driver Posture and Position. , 1998, , .		25
40	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
41	Child body shape measurement using depth cameras and a statistical body shape model. Ergonomics, 2015, 58, 301-309.	2.1	25
42	Effects of driver characteristics on seat belt fit. Stapp Car Crash Journal, 2013, 57, 43-57.	1.1	25
43	Comparison of Child Body Dimensions with Rear Seat Geometry. , 0, , .		24
44	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
45	Anthropometric and Postural Variability: Limitations of the Boundary Manikin Approach. , 0, , .		23
46	Anthropometric specification of child crash dummy pelves through statistical analysis of skeletal geometry. Journal of Biomechanics, 2009, 42, 1143-1145.	2.1	23
47	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
48	Deformation of the gluteal soft tissues during sitting. Clinical Biomechanics, 2015, 30, 662-668.	1.2	23
49	Statistical Models for Predicting Automobile Driving Postures for Men and Women Including Effects of Age. Human Factors, 2016, 58, 261-278.	3.5	23
50	A parametric model of child body shape in seated postures. Traffic Injury Prevention, 2017, 18, 533-536.	1.4	22
51	Automobile Occupant Posture Prediction for Use with Human Models. , 0, , .		21
52	Modeling Vehicle Ingress and Egress Using the Human Motion Simulation Framework. , 0, , .		21
53	Improved positioning procedures for 6YO and 10YO ATDs based on child occupant postures. Stapp Car Crash Journal, 2006, 50, 337-88.	1.1	21
54	A statistical model including age to predict passenger postures in the rear seats of automobiles. Ergonomics, 2016, 59, 796-805.	2.1	20

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55	Posture and belt fit in reclined passenger seats. Traffic Injury Prevention, 2019, 20, S38-S42.	1.4	20
56	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
57	Prevalence of non-nominal seat positions and postures among front-seat passengers. Traffic Injury Prevention, 2020, 21, S7-S12.	1.4	19
58	Lumbar Support in Auto Seats: Conclusions from a Study of Preferred Driving Posture. , 0, , .		18
59	Anthropometry for WorldSID A World-Harmonized Midsize Male Side Impact Crash Dummy. , 0, , .		18
60	A Dynamic Seating Intervention for Wheelchair Seating Discomfort. American Journal of Physical Medicine and Rehabilitation, 2007, 86, 988-993.	1.4	18
61	Effects of child restraint system features on installation errors. Applied Ergonomics, 2014, 45, 270-277.	3.1	18
62	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
63	Investigation of Airbag-Induced Skin Abrasions. , 0, , .		17
64	Some Effects of Lumbar Support Contour on Driver Seated Posture. , 1995, , .		16
65	Assessing the Importance of Motion Dynamics for Ergonomic Analysis of Manual Materials Handling Tasks using the AnyBody Modeling System. , 2007, , .		16
66	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
67	Rear Seat Restraint System Optimization for Older Children in Frontal Crashes. Traffic Injury Prevention, 2013, 14, 614-622.	1.4	16
68	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
69	Informative Sensor and Feature Selection via Hierarchical Nonnegative Garrote. Technometrics, 2015, 57, 514-523.	1.9	16
70	Effects of Driver Characteristics on Seat Belt Fit. , 0, , .		16
71	Development and Validation of an Older Occupant Finite Element Model of a Mid-Sized Male for Investigation of Age-related Injury Risk. , 0, , .		16
72	Assessing the Validity of Kinematically Generated Reach Envelopes for Simulations of Vehicle Operators. , 2003, , .		15

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73	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
74	Development, Evaluation, and Sensitivity Analysis of Parametric Finite Element Whole-Body Human Models in Side Impacts. , 0, , .		15
75	Rapid Development of Diverse Human Body Models for Crash Simulations through Mesh Morphing. , 0, , .		15
76	Passenger head kinematics in abrupt braking and lane change events. Traffic Injury Prevention, 2018, 19, S70-S77.	1.4	15
77	Development of ATD Installation Procedures Based on Rear-Seat Occupant Postures. Stapp Car Crash Journal, 2005, 49, 381-421.	1.1	15
78	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
79	ASPECT: The Next-Generation H-Point Machine and Related Vehicle and Seat Design and Measurement Tools. , 0, , .		14
80	Comparison of Methods for Predicting Automobile Driver Posture. , 0, , .		14
81	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
82	New Concepts in Vehicle Interior Design Using ASPECT. , 1999, , .		13
83	Body-pillar vision obstructions and lane-change crashes. Journal of Safety Research, 2007, 38, 557-561.	3.6	13
84	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
85	An Anthropometric Comparison of Current ATDs with the U.S. Adult Population. Traffic Injury Prevention, 2013, 14, 703-705.	1.4	13
86	The effect of bracing availability on one-hand isometric force exertion capability. Ergonomics, 2013, 56, 667-681.	2.1	13
87	Validation of a parametric finite element human femur model. Traffic Injury Prevention, 2017, 18, 420-426.	1.4	13
88	Validating diverse human body models against side impact tests with post-mortem human subjects. Journal of Biomechanics, 2020, 98, 109444.	2.1	13
89	Effects of Hip Posture on the Frontal Impact Tolerance of the Human Hip Joint. , 0, , .		13
90	Optimizing Seat Belt and Airbag Designs for Rear Seat Occupant Protection in Frontal Crashes. , 0, , .		13

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91	Design and Development of the ASPECT Manikin. , 1999, , .		12
92	Predicting Force-Exertion Postures from Task Variables. , 0, , .		12
93	A model of head movement contribution for gaze transitions. Ergonomics, 2010, 53, 447-457.	2.1	12
94	Does unbelted safety requirement affect protection for belted occupants?. Traffic Injury Prevention, 2017, 18, S85-S95.	1.4	12
95	A New Database of Child Anthropometry and Seated Posture for Automotive Safety Applications. , 2005, , .		11
96	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
97	Anthropometric Dimensions of Individuals With High Body Mass Index. Human Factors, 2019, 61, 1277-1296.	3.5	11
98	Characterization of Knee-Thigh-Hip Response in Frontal Impacts Using Biomechanical Testing and Computational Simulations. , 0, , .		11
99	Laboratory Investigations and Mathematical Modeling of Airbag-Induced Skin Burns. , 1994, , .		10
100	Methods for Laboratory Investigation of Truck and Bus Driver Postures. , 2000, , .		10
101	Improved Head Restraint Design for Safety and Compliance. , 2006, , 133.		10
102	Influence of visibility out of the vehicle cabin on lane-change crashes. Accident Analysis and Prevention, 2006, 38, 969-972.	5.7	10
103	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
104	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
105	A three-dimensional parametric adult head model with representation of scalp shape variability under hair. Applied Ergonomics, 2021, 90, 103239.	3.1	10
106	Modeling Population Distributions of Subjective Ratings. , 0, , .		9
107	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
108	Responsiveness of the TAWC tool for assessing wheelchair discomfort. Disability and Rehabilitation: Assistive Technology, 2007, 2, 97-103.	2.2	9

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109	Optimizing the Rear Seat Environment for Older Children, Adults, and Infants. Traffic Injury Prevention, 2013, 14, S13-S22.	1.4	9
110	Development of seating accommodation models for soldiers in vehicles. Ergonomics, 2017, 60, 589-596.	2.1	9
111	Cervical Spine Geometry in the Automotive Seated Posture: Variations with Age, Stature, and Gender. , 0, , .		9
112	Human Subject Testing in Support of ASPECT. , 1999, , .		8
113	Improved ATD Positioning Procedures. , 0, , .		8
114	A Pilot Study of the Effects of Vertical Ride Motion on Reach Kinematics. , 2003, , .		8
115	Predicting Foot Positions for Manual Materials Handling Tasks. , 2005, , .		8
116	A Task-Based Stepping Behavior Model for Digital Human Models. , 0, , .		8
117	Quantifying Cervical-Spine Curvature Using Bézier Splines. Journal of Biomechanical Engineering, 2012, 134, 114503.	1.3	8
118	An updated estimate of the body dimensions of US children. Ergonomics, 2015, 58, 1045-1057.	2.1	8
119	Effects of Seat and Sitter Dimensions on Pressure Distribution in Automotive Seats. , 0, , .		8
120	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
121	Development of ATD Installation Procedures Based on Rear-Seat Occupant Postures. , 0, , .		8
122	Improved Positioning Procedures for 6YO and 10YO ATDs Based on Child Occupant Postures. , 0, , .		8
123	Restraint systems considering occupant diversity and pre-crash posture. Traffic Injury Prevention, 2020, 21, S31-S36.	1.4	8
124	Methods for In-Vehicle Measurement of Truck Driver Postures. , 0, , .		7
125	Robust Truck Cabin Layout Optimization Using Advanced Driver Variance Models. , 2005, , 1103.		7
126	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

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127	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
128	Development of an Automatic Seat-Dimension Extraction System. , 2016, , .		7
129	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
130	Influence of automobile seat form and comfort rating on willingness-to-pay. International Journal of Vehicle Design, 2017, 75, 75.	0.3	7
131	Comparison of three-point belt fit between humans and ATDs in rear seats. Traffic Injury Prevention, 2018, 19, S65-S69.	1.4	7
132	In-Vehicle Occupant Head Tracking Using aLow-Cost Depth Camera. , 2018, , .		7
133	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
134	The Effects of Forward Vision Restriction on Automobile Driver Posture. Transportation Human Factors, 2000, 2, 173-189.	0.3	7
135	PMHS Impact Response in 3 m/s and 8 m/s Nearside Impacts with Abdomen Offset. , 0, , .		7
136	Postural Behaviors during One-Hand Force Exertions. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 1, 1136-1142.	0.4	6
137	Driver Report of Improper Seat Belt Position Among 4- to 9-Year-old Children. Academic Pediatrics, 2011, 11, 487-492.	2.0	6
138	Measurement of the Contour and Deflection of Vehicle Seats for Comparison with the FMVSS 213 Dynamic Test Bench. , 0, , .		6
139	Development of an Optimization Method for Locating the Pelvis in an Automobile Seat. Procedia Manufacturing, 2015, 3, 3738-3744.	1.9	6
140	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
141	Effects of child restraint misuse on dynamic performance. Traffic Injury Prevention, 2019, 20, 860-865.	1.4	6
142	Predicting pelvis geometry using a morphometric model with overall anthropometric variables. Journal of Biomechanics, 2021, 126, 110633.	2.1	6
143	ASPECT Manikin Applications and Measurements for Design, Audit, and Benchmarking. , 0, , .		5
144	Characterization of Driver Seatbelt Donning Behavior. , 2002, , .		5

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145	A Method for Measuring the Field of View in Vehicle Mirrors. , 0, , .		5
146	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
147	Application of Digital Human Modeling to the Design of a Postal Delivery Vehicle. , 0, , .		5
148	Behavior-Based Model of Clavicle Motion for Simulating Seated Reaches. , 0, , .		5
149	An Integrated Model of Gait and Transition Stepping for Simulation of Industrial Workcell Tasks. , 2007, , .		5
150	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
151	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
152	Effects of task characteristics on unimanual and bimanual movement times. Ergonomics, 2013, 56, 612-622.	2.1	5
153	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
154	Predicting vehicle belt fit for children ages 6â€"12. Traffic Injury Prevention, 2016, 17, 58-64.	1.4	5
155	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
156	Evaluating an intervention to improve belt fit for adult occupants: Promoting positive beliefs. Journal of Safety Research, 2018, 64, 105-111.	3.6	5
157	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
158	A Laboratory Technique for Assessing the Skin Abrasion Potential of Airbags. , 0, , .		4
159	Distribution of Automobile Trip Durations for Studies of Seat Comfort. , 1996, , .		4
160	Investigating Driver Headroom Perception: Methods and Models. , 1999, , .		4
161	Considering Driver Balance Capability in Truck Shifter Design. , 2006, , .		4
162	The Virtual Driver: Integrating Task Planning and Cognitive Simulation with Human Movement Models. , 2007, , .		4

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163	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
164	Modeling Ascending and Descending Stairs Using the Human Motion Simulation Framework. , 2009, , .		4
165	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
166	Driver Preference for Fore-Aft Steering Wheel Location. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 6, 629-635.	0.4	4
167	Kinematics of Pediatric Crash Dummies Seated on Vehicle Seats with Realistic Belt Geometry. Traffic Injury Prevention, 2014, 15, 866-874.	1.4	4
168	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
169	Statistical prediction of eye locations for drivers of military ground vehicles. International Journal of Industrial Ergonomics, 2017, 59, 20-28.	2.6	4
170	Development of a Vehicle-Based Experimental Platform for Quantifying Passenger Motion Sickness during Test Track Operations. , 0, , .		4
171	Comparison across vehicles of passenger head kinematics in abrupt vehicle maneuvers. Traffic Injury Prevention, 2019, 20, S128-S132.	1.4	4
172	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
173	Facial, Periorbital and Ocular Injuries Related to Steering-Wheel Airbag Deployments. , 1997, , .		3
174	Comparison of Airbag-Aggressivity Predictors in Relation to Forearm Fractures. , 1998, , .		3
175	Development of Anthropometric Specifications for the Six-Year-Old OCATD. , 2001, , .		3
176	Critical Features in Human Motion Simulation for Ergonomic Analysis. Proceedings of the Human Factors and Ergonomics Society, 2005, 49, 1196-1199.	0.3	3
177	Standing Reach Envelopes Incorporating Anthropometric Variance and Postural Cost. , 2007, , .		3
178	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
179	A Simulation Study of Spine Biofidelity in the Hybrid-III 6-Year-Old ATD. Traffic Injury Prevention, 2013, 14, 397-404.	1.4	3
180	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

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181	Development of A New Dynamic Rollover Test Methodology for Heavy Vehicles. , 2017, , .		3
182	A parametric modeling of adult body shape in a supported seated posture including effects of age. Ergonomics, 2022, 65, 795-803.	2.1	3
183	Response and Tolerance of Female and/or Elderly PMHS to Lateral Impact. , 0, , .		3
184	Freshwater Mussels (Bivalvia: Margaritiferidae and Unionidae) of the Buffalo River Drainage, Tennessee. Southeastern Naturalist, 2019, 18, 346.	0.4	3
185	Response and Tolerance of Female and/or Elderly PMHS to Lateral Impact. Stapp Car Crash Journal, 2014, 58, 423-63.	1.1	3
186	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
187	Development of Surrogate Child Restraints for Testing Occupant Sensing and Classification Systems. , 2004, , .		2
188	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
189	Simulating Complex Automotive Assembly Tasks using the HUMOSIM Framework. , 0, , .		2
190	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
191	Understanding Work Task Assessment Sensitivity to the Prediction of Standing Location. , 2011, , .		2
192	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
193	Evaluation of ISO CRS Envelopes Relative to U.S. Vehicles and Child Restraint Systems. Traffic Injury Prevention, 2015, 16, 781-785.	1.4	2
194	Statistical Modeling of Automotive Seat Shapes. , 2016, , .		2
195	Evaluation of the Seat Index Point Tool for Military Seats. SAE International Journal of Commercial Vehicles, 2016, 9, 14-20.	0.4	2
196	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
197	Effect of Class Iâ€"III obesity on driver seat belt fit. Traffic Injury Prevention, 2021, 22, 547-552.	1.4	2
198	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

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199	New Tools for Vehicle Interior Design. Proceedings of the Human Factors and Ergonomics Society, 2001, 45, 1138-1140.	0.3	1
200	Development of Seatbelt Fit Assessment Components for the ASPECT Manikin. , 2002, , .		1
201	Geometric Visibility of Mirror Mounted Turn Signals. , 2005, , .		1
202	Pediatric Anthropometry. , 2013, , 1-31.		1
203	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
204	A Pilot Study of Occupant Accommodation and Seat Belt Fit for Law Enforcement Officers. , 2016, , .		1
205	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
206	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
207	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
208	Spatial and Temporal Patterns in Sequential Precision Reach Movements. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 929-930.	0.3	1
209	Characterizing Vehicle Occupant Body Dimensions and Postures Using a Statistical Body Shape Model. , 2017, , .		1
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