

Joel D Stitzel

List of Publications by Year in descending order

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Version: 2024-02-01

240
papers

5,824
citations

116194

36
h-index

116156

66
g-index

243
all docs

243
docs citations

243
times ranked

5335
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of head impact exposure in boys' youth ice hockey. <i>Research in Sports Medicine</i> , 2023, 31, 440-450.	0.7	6
2	Characterization of Head Impact Exposure in Women's Collegiate Soccer. <i>Journal of Applied Biomechanics</i> , 2022, 38, 2-11.	0.3	9
3	Cumulative strain-based metrics for predicting subconcussive head impact exposure-related imaging changes in a cohort of American youth football players. <i>Journal of Neurosurgery: Pediatrics</i> , 2022, 29, 387-396.	0.8	4
4	Advanced automatic crash notification algorithm for children. <i>Academic Pediatrics</i> , 2022, , .	1.0	0
5	Development and implementation of a time- and computationally-efficient methodology for reconstructing real-world crashes using finite element modeling to improve crash injury research investigations. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2022, 25, 1332-1349.	0.9	1
6	Head Impact Kinematics and Brain Deformation in Paired Opposing Youth Football Players. <i>Journal of Applied Biomechanics</i> , 2022, 38, 136-147.	0.3	2
7	Head Impact Exposure in Youth and Collegiate American Football. <i>Annals of Biomedical Engineering</i> , 2022, 50, 1488-1497.	1.3	6
8	Age-based differences in the disability of spine injuries in pediatric and adult motor vehicle crash occupants. <i>Traffic Injury Prevention</i> , 2022, 23, 358-363.	0.6	2
9	Head Kinematics in Youth Ice Hockey by Player Speed and Impact Direction. <i>Journal of Applied Biomechanics</i> , 2022, 38, 201-209.	0.3	4
10	Simulated Astronaut Kinematics and Injury Risk for Piloted Lunar Landings and Launches While Standing. <i>Annals of Biomedical Engineering</i> , 2022, 50, 1857-1871.	1.3	4
11	Psychometric properties of the standardized assessment of concussion in youth football: Validity, reliability, and demographic factors. <i>Applied Neuropsychology: Child</i> , 2021, 10, 377-383.	0.7	1
12	Brain Strain: Computational Model-Based Metrics for Head Impact Exposure and Injury Correlation. <i>Annals of Biomedical Engineering</i> , 2021, 49, 1083-1096.	1.3	24
13	Neuropsychological Change After a Single Season of Head Impact Exposure in Youth Football. <i>Journal of the International Neuropsychological Society</i> , 2021, 27, 113-123.	1.2	7
14	Characterization of On-Field Head Impact Exposure in Youth Soccer. <i>Journal of Applied Biomechanics</i> , 2021, 37, 36-42.	0.3	16
15	Mapping default mode connectivity alterations following a single season of subconcussive impact exposure in youth football. <i>Human Brain Mapping</i> , 2021, 42, 2529-2545.	1.9	7
16	The Effect of Player Contact Characteristics on Head Impact Exposure in Youth Football Games. <i>Journal of Applied Biomechanics</i> , 2021, 37, 145-155.	0.3	7
17	Effect of Coach Feedback and Awareness of Head Impact Exposure on Practice Structure in Youth Football. <i>Journal of Neurotrauma</i> , 2021, 38, 1389-1398.	1.7	1
18	Pelvic Response of a Total Human Body Finite Element Model During Simulated Injurious Under Body Blast Impacts. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering</i> , 2021, 7, .	0.7	3

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19	Analysis of longitudinal head impact exposure and white matter integrity in returning youth football players. <i>Journal of Neurosurgery: Pediatrics</i> , 2021, , 1-10.	0.8	6
20	Comparison of women's collegiate soccer header kinematics by play state, intent, and outcome. <i>Journal of Biomechanics</i> , 2021, 126, 110619.	0.9	6
21	Alterations in the Magnetoencephalography Default Mode Effective Connectivity following Concussion. <i>American Journal of Neuroradiology</i> , 2021, 42, 1776-1782.	1.2	0
22	Relationship Between Time-Weighted Head Impact Exposure on Directional Changes in Diffusion Imaging in Youth Football Players. <i>Annals of Biomedical Engineering</i> , 2021, 49, 2852-2862.	1.3	3
23	Regional White Matter Diffusion Changes Associated with the Cumulative Tensile Strain and Strain Rate in Nonconcussed Youth Football Players. <i>Journal of Neurotrauma</i> , 2021, 38, 2763-2771.	1.7	6
24	MEGnet: Automatic ICA-based artifact removal for MEG using spatiotemporal convolutional neural networks. <i>NeuroImage</i> , 2021, 241, 118402.	2.1	12
25	The relationship of body mass index, belt placement, and abdominopelvic injuries in motor vehicle crashes: A Crash Injury Research and Engineering Network (CIREN) study. <i>Traffic Injury Prevention</i> , 2021, 22, S146-S148.	0.6	1
26	Header biomechanics in youth and collegiate female soccer. <i>Journal of Biomechanics</i> , 2021, 128, 110782.	0.9	5
27	Characterizing head impact exposure in youth female soccer with a custom-instrumented mouthpiece. <i>Research in Sports Medicine</i> , 2020, 28, 55-71.	0.7	38
28	Development and Multi-Scale Validation of a Finite Element Football Helmet Model. <i>Annals of Biomedical Engineering</i> , 2020, 48, 258-270.	1.3	27
29	Development of a Concussion Risk Function for a Youth Population Using Head Linear and Rotational Acceleration. <i>Annals of Biomedical Engineering</i> , 2020, 48, 92-103.	1.3	44
30	Physical Performance Measures Correlate with Head Impact Exposure in Youth Football. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 449-456.	0.2	8
31	An envelope of linear and rotational head motion during everyday activities. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 1003-1014.	1.4	13
32	Prevalence and Incidence of Microhemorrhages in Adolescent Football Players. <i>American Journal of Neuroradiology</i> , 2020, 41, 1263-1268.	1.2	3
33	Finite element reconstruction of a vehicle-to-pedestrian impact. <i>Traffic Injury Prevention</i> , 2020, 21, S145-S147.	0.6	7
34	Head Impact Telemetry System's Video-based Impact Detection and Location Accuracy. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 2198-2206.	0.2	11
35	Estimated crash injury risk and crash characteristics for motorsport drivers. <i>Accident Analysis and Prevention</i> , 2020, 136, 105397.	3.0	8
36	Lumbar Spine Response of Computational Finite Element Models in Multidirectional Spaceflight Landing Conditions. <i>Journal of Biomechanical Engineering</i> , 2020, 142, .	0.6	7

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37	Patient Age Is Inversely Associated with Injury Counts Caused by Motor Vehicle Crashes. <i>Journal of Surgical Orthopaedic Advances</i> , 2020, 29, 36-38.	0.1	0
38	Head Kinematics by Contact Scenarios in Youth Ice Hockey. <i>Neurology</i> , 2020, 95, .	1.5	1
39	Prediction of lumbar vertebral body compressive strength of overweight and obese older adults using morphed subject-specific finite-element models to evaluate the effects of weight loss. <i>Aging Clinical and Experimental Research</i> , 2019, 31, 491-501.	1.4	8
40	In-Season Variations in Head Impact Exposure among Youth Football Players. <i>Journal of Neurotrauma</i> , 2019, 36, 275-281.	1.7	10
41	Development, Validation and Pilot Field Deployment of a Custom Mouthpiece for Head Impact Measurement. <i>Annals of Biomedical Engineering</i> , 2019, 47, 2109-2121.	1.3	55
42	Implications of head and neck restraint test repeatability for specification improvement. <i>Traffic Injury Prevention</i> , 2019, 20, 588-594.	0.6	1
43	Special Issue on the NCAA-DoD CARE Consortium Research. <i>Annals of Biomedical Engineering</i> , 2019, 47, 2045-2047.	1.3	3
44	Sarcopenia and osteosarcopenia in seriously injured motor vehicle crash occupants. <i>Traffic Injury Prevention</i> , 2019, 20, S195-S197.	0.6	3
45	Age-based differences in the disability of extremity injuries in pediatric and adult occupants. <i>Traffic Injury Prevention</i> , 2019, 20, S63-S68.	0.6	7
46	Comparing rib cortical thickness measurements from computed tomography (CT) and Micro-CT. <i>Computers in Biology and Medicine</i> , 2019, 111, 103330.	3.9	9
47	Head injury metric response in finite element ATDs and a human body model in multidirectional loading regimes. <i>Traffic Injury Prevention</i> , 2019, 20, S96-S102.	0.6	6
48	Multidirection Validation of a Finite Element 50th Percentile Male Hybrid III Anthropomorphic Test Device for Spaceflight Applications. <i>Journal of Biomechanical Engineering</i> , 2019, 141, .	0.6	3
49	Modeling Human Volunteers in Multidirectional, Uni-axial Sled Tests Using a Finite Element Human Body Model. <i>Annals of Biomedical Engineering</i> , 2019, 47, 487-511.	1.3	18
50	Evaluation of Brain Response during Head Impact in Youth Athletes Using an Anatomically Accurate Finite Element Model. <i>Journal of Neurotrauma</i> , 2019, 36, 1561-1570.	1.7	32
51	Nationwide Procedural Trends for Renal Trauma Management. <i>Annals of Surgery</i> , 2019, 269, 367-369.	2.1	24
52	Comparison of head impact exposure in practice drills among multiple youth football teams. <i>Journal of Neurosurgery: Pediatrics</i> , 2019, 23, 381-389.	0.8	20
53	Evaluation of head impact exposure measured from youth football game plays. <i>Journal of Neurosurgery: Pediatrics</i> , 2019, 24, 190-199.	0.8	14
54	Functional outcomes of thoracic injuries in pediatric and adult occupants. <i>Traffic Injury Prevention</i> , 2018, 19, S195-S198.	0.6	3

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55	Validation of a Custom Instrumented Retainer Form Factor for Measuring Linear and Angular Head Impact Kinematics. <i>Journal of Biomechanical Engineering</i> , 2018, 140, .	0.6	23
56	Detection of American Football Head Impacts Using Biomechanical Features and Support Vector Machine Classification. <i>Scientific Reports</i> , 2018, 8, 855.	1.6	76
57	Finite Element-Based Pelvic Injury Metric Creation and Validation in Lateral Impact for a Human Body Model. <i>Journal of Biomechanical Engineering</i> , 2018, 140, .	0.6	7
58	Numerical investigation of driver lower extremity injuries in finite element frontal crash reconstruction. <i>Traffic Injury Prevention</i> , 2018, 19, S21-S28.	0.6	8
59	Characterization of the occult nature of frequently occurring pediatric motor vehicle crash injuries. <i>Accident Analysis and Prevention</i> , 2018, 113, 12-18.	3.0	2
60	Evaluation of the effectiveness of toe board energy-absorbing material for foot, ankle, and lower leg injury reduction. <i>Traffic Injury Prevention</i> , 2018, 19, 195-200.	0.6	4
61	Predicting Pediatric Patients Who Require Care at a Trauma Center: Analysis of Injuries and Other Factors. <i>Journal of the American College of Surgeons</i> , 2018, 226, 70-79.e8.	0.2	6
62	Pelvic Injury Survival Analysis for a Finite Element Human Body Model Using Multiple Data Sets. , 2018, , .		1
63	Football concussion case series using biomechanical and video analysis. <i>Neurology</i> , 2018, 91, .	1.5	0
64	In-season variations in head impact exposure among youth football players. <i>Neurology</i> , 2018, 91, .	1.5	0
65	Computational modeling and analysis of thoracolumbar spine fractures in frontal crash reconstruction. <i>Traffic Injury Prevention</i> , 2018, 19, S32-S39.	0.6	7
66	Head Impact Exposure in Practices Correlates With Exposure in Games for Youth Football Players. <i>Journal of Applied Biomechanics</i> , 2018, 34, 354-360.	0.3	13
67	Post-Irradiation Treatment with a Superoxide Dismutase Mimic, MnTnHex-2-PyP5+, Mitigates Radiation Injury in the Lungs of Non-Human Primates after Whole-Thorax Exposure to Ionizing Radiation. <i>Antioxidants</i> , 2018, 7, 40.	2.2	30
68	Effect of Exercise Modality During Weight Loss on Bone Health in Older Adults With Obesity and Cardiovascular Disease or Metabolic Syndrome: A Randomized Controlled Trial. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 2140-2149.	3.1	41
69	The effects of image homogenisation on simulated transcranial ultrasound propagation. <i>Physics in Medicine and Biology</i> , 2018, 63, 145014.	1.6	15
70	Functional outcomes of motor vehicle crash thoracic injuries in pediatric and adult occupants. <i>Traffic Injury Prevention</i> , 2018, 19, 280-286.	0.6	10
71	Single season changes in resting state network power and the connectivity between regions distinguish head impact exposure level in high school and youth football players. , 2018, 10575, .		5
72	Quantifying the association between white matter integrity changes and subconcussive head impact exposure from a single season of youth and high school football using 3D convolutional neural networks. , 2018, 10575, .		5

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73	Validation of a Finite Element 50th Percentile THOR Anthropomorphic Test Device in Multiple Sled Test Configurations. <i>Stapp Car Crash Journal</i> , 2018, 62, 415-442.	1.1	3
74	Expert Perspectives on Time Sensitivity and a Related Metric for Children Involved in Motor Vehicle Crashes. <i>Academic Pediatrics</i> , 2017, 17, 243-250.	1.0	2
75	Head Impact Exposure in Youth Football: Comparing Age- and Weight-Based Levels of Play. <i>Journal of Neurotrauma</i> , 2017, 34, 1939-1947.	1.7	49
76	Head impact exposure measured in a single youth football team during practice drills. <i>Journal of Neurosurgery: Pediatrics</i> , 2017, 20, 489-497.	0.8	38
77	Validation performance comparison for finite element models of the human brain. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, 1273-1288.	0.9	38
78	Changes in resting state MRI networks from a single season of football distinguishes controls, low, and high head impact exposure. , 2017, 2017, 464-467.		2
79	Disability risk in pediatric motor vehicle crash occupants. <i>Journal of Trauma and Acute Care Surgery</i> , 2017, 82, 933-938.	1.1	9
80	Biomechanical Evaluations of Ocular Injury Risk for Blast Loading. <i>Journal of Biomechanical Engineering</i> , 2017, 139, .	0.6	15
81	Injury risk prediction from computational simulations of ocular blast loading. <i>Biomechanics and Modeling in Mechanobiology</i> , 2017, 16, 463-477.	1.4	14
82	Characterization of the occult nature of injury for frequently occurring motor vehicle crash injuries. <i>Accident Analysis and Prevention</i> , 2017, 98, 149-156.	3.0	6
83	Presence of Athletic Trainers in a Youth Football Organization: A Single Institution's Experience. <i>Athletic Training & Sports Health Care</i> , 2017, 9, 53-57.	0.4	1
84	A Semi-Automated Approach to Real World Motor Vehicle Crash Reconstruction Using a Generic Simplified Vehicle Buck Model. <i>SAE International Journal of Transportation Safety</i> , 2016, 4, 267-277.	0.4	6
85	Abnormalities in Diffusional Kurtosis Metrics Related to Head Impact Exposure in a Season of High School Varsity Football. <i>Journal of Neurotrauma</i> , 2016, 33, 2133-2146.	1.7	67
86	Functional outcomes of motor vehicle crash head injuries in pediatric and adult occupants. <i>Traffic Injury Prevention</i> , 2016, 17, 27-33.	0.6	15
87	Subconcussive impacts and imaging findings over a season of contact sports. <i>Concussion</i> , 2016, 1, CNC19.	1.2	17
88	Lumbar vertebrae fracture injury risk in finite element reconstruction of CIREN and NASS frontal motor vehicle crashes. <i>Traffic Injury Prevention</i> , 2016, 17, 109-115.	0.6	17
89	Subconcussive Head Impact Exposure and White Matter Tract Changes over a Single Season of Youth Football. <i>Radiology</i> , 2016, 281, 919-926.	3.6	168
90	Multicenter analysis of CIREN occupant lumbar bone mineral density and correlation with age and fracture incidence. <i>Traffic Injury Prevention</i> , 2016, 17, 34-41.	0.6	13

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91	An Injury Severity-, Time Sensitivity-, and Predictability-Based Advanced Automatic Crash Notification Algorithm Improves Motor Vehicle Crash Occupant Triage. <i>Journal of the American College of Surgeons</i> , 2016, 222, 1211-1219.e6.	0.2	36
92	Effects of cervical arthroplasty on neck response during a simulated rotary-wing aircraft impact. <i>International Journal of Crashworthiness</i> , 2016, 21, 323-337.	1.1	3
93	Evaluation of Skull Cortical Thickness Changes With Age and Sex From Computed Tomography Scans. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 299-307.	3.1	140
94	Evaluation of morphological changes in the adult skull with age and sex. <i>Journal of Anatomy</i> , 2016, 229, 838-846.	0.9	42
95	Development and validation of an atlas-based finite element brain model. <i>Biomechanics and Modeling in Mechanobiology</i> , 2016, 15, 1201-1214.	1.4	77
96	Robust human body model injury prediction in simulated side impact crashes. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2016, 19, 717-732.	0.9	7
97	Evaluation of developmental metrics for utilization in a pediatric advanced automatic crash notification algorithm. <i>Traffic Injury Prevention</i> , 2016, 17, 65-72.	0.6	12
98	Multiple Small Diameter Drillings Increase Femoral Neck Stability Compared with Single Large Diameter Femoral Head Core Decompression Technique for Avascular Necrosis of the Femoral Head. <i>Surgical Technology International</i> , 2016, 29, 247-254.	0.1	7
99	Estimation of skull table thickness with clinical CT and validation with microCT. <i>Journal of Anatomy</i> , 2015, 226, 73-80.	0.9	44
100	Estimated Injury Risk for Specific Injuries and Body Regions in Frontal Motor Vehicle Crashes. <i>Traffic Injury Prevention</i> , 2015, 16, S108-S116.	0.6	34
101	Lumbar Bone Mineral Density Phantomless Computed Tomography Measurements and Correlation with Age and Fracture Incidence. <i>Traffic Injury Prevention</i> , 2015, 16, S153-S160.	0.6	31
102	Mortality Risk in Pediatric Motor Vehicle Crash Occupants: Accounting for Developmental Stage and Challenging Abbreviated Injury Scale Metrics. <i>Traffic Injury Prevention</i> , 2015, 16, S201-S208.	0.6	13
103	Implementation and validation of thoracic side impact injury prediction metrics in a human body model. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 1044-1055.	0.9	6
104	Development of a Time Sensitivity Score for Frequently Occurring Motor Vehicle Crash Injuries. <i>Journal of the American College of Surgeons</i> , 2015, 220, 305-312.e3.	0.2	11
105	Age- and Sex-Specific Thorax Finite Element Model Development and Simulation. <i>Traffic Injury Prevention</i> , 2015, 16, S57-S65.	0.6	48
106	Predicting patients that require care at a trauma center: Analysis of injuries and other factors. <i>Injury</i> , 2015, 46, 558-563.	0.7	10
107	Quantitative Validation of a Human Body Finite Element Model Using Rigid Body Impacts. <i>Annals of Biomedical Engineering</i> , 2015, 43, 2163-2174.	1.3	52
108	Finite element comparison of human and Hybrid III responses in a frontal impact. <i>Accident Analysis and Prevention</i> , 2015, 85, 125-156.	3.0	19

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109	Driver Injury Risk Variability in Finite Element Reconstructions of Crash Injury Research and Engineering Network (CIREN) Frontal Motor Vehicle Crashes. <i>Traffic Injury Prevention</i> , 2015, 16, S124-S131.	0.6	13
110	Image segmentation and registration algorithm to collect thoracic skeleton semilandmarks for characterization of age and sex-based thoracic morphology variation. <i>Computers in Biology and Medicine</i> , 2015, 67, 41-48.	3.9	10
111	New Methodology for an Expert-Designed Map From International Classification of Diseases (ICD) to Abbreviated Injury Scale (AIS) 3+ Severity Injury. <i>Traffic Injury Prevention</i> , 2015, 16, S197-S200.	0.6	14
112	Finite Element Model Prediction of Pulmonary Contusion in Vehicle-to-Vehicle Simulations of Real-World Crashes. <i>Traffic Injury Prevention</i> , 2015, 16, 627-636.	0.6	14
113	A technique for developing CAD geometry of long bones using clinical CT data. <i>Medical Engineering and Physics</i> , 2015, 37, 1116-1123.	0.8	4
114	Development of a Computationally Efficient Full Human Body Finite Element Model. <i>Traffic Injury Prevention</i> , 2015, 16, S49-S56.	0.6	70
115	Cross-sectional neck response of a total human body FE model during simulated frontal and side automobile impacts. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 293-315.	0.9	19
116	Skull Thickness Morphing for an Age and Sex Specific FE Model of the Skull. <i>Biomedical Sciences Instrumentation</i> , 2015, 51, 173-80.	0.2	1
117	Mesh Smoothing Algorithm Applied to a Finite Element Model of the Brain for Improved Brain-Skull Interface. <i>Biomedical Sciences Instrumentation</i> , 2015, 51, 181-8.	0.2	1
118	Preliminary Development and Validation of an Atlas-Based Finite Element Brain Model. <i>Biomedical Sciences Instrumentation</i> , 2015, 51, 253-9.	0.2	0
119	Development and Validation of an Older Occupant Finite Element Model of a Mid-Sized Male for Investigation of Age-related Injury Risk. <i>Stapp Car Crash Journal</i> , 2015, 59, 359-83.	1.1	24
120	Abnormal White Matter Integrity Related to Head Impact Exposure in a Season of High School Varsity Football. <i>Journal of Neurotrauma</i> , 2014, 31, 1617-1624.	1.7	189
121	Head and Neck Response of a Finite Element Anthropomorphic Test Device and Human Body Model During a Simulated Rotary-Wing Aircraft Impact. <i>Journal of Biomechanical Engineering</i> , 2014, 136, .	0.6	11
122	Advanced Age Diminishes Tendon-to-Bone Healing in a Rat Model of Rotator Cuff Repair. <i>American Journal of Sports Medicine</i> , 2014, 42, 859-868.	1.9	61
123	Effects of cervical arthrodesis and arthroplasty on neck response during a simulated frontal automobile collision. <i>Spine Journal</i> , 2014, 14, 2195-2207.	0.6	5
124	Validation of Simulated Chestband Data in Frontal and Lateral Loading Using a Human Body Finite Element Model. <i>Traffic Injury Prevention</i> , 2014, 15, 181-186.	0.6	30
125	Injury prediction in a side impact crash using human body model simulation. <i>Accident Analysis and Prevention</i> , 2014, 64, 1-8.	3.0	49
126	Similarity scoring methodology for comparing real-world cases to crash test standards. <i>International Journal of Crashworthiness</i> , 2014, 19, 57-70.	1.1	1

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127	Comparison of injury mortality risk in motor vehicle crash versus other etiologies. Accident Analysis and Prevention, 2014, 67, 137-147.	3.0	2
128	Morphometric analysis of variation in the sternum with sex and age. Journal of Morphology, 2014, 275, 1284-1299.	0.6	46
129	Morphometric analysis of variation in the ribs with age and sex. Journal of Anatomy, 2014, 225, 246-261.	0.9	86
130	Investigation of the Mass Distribution of a Detailed Seated Male Finite Element Model. Journal of Applied Biomechanics, 2014, 30, 471-476.	0.3	14
131	Optimization of a simplified automobile finite element model using time varying injury metrics. Biomedical Sciences Instrumentation, 2014, 50, 83-91.	0.2	2
132	Development of a simplified finite element model of the 50th percentile male occupant lower extremity. Biomedical Sciences Instrumentation, 2014, 50, 106-14.	0.2	2
133	Application of Radial Basis Function Methods in the Development of a 95th Percentile Male Seated FEA Model. Stapp Car Crash Journal, 2014, 58, 361-84.	1.1	22
134	Head Impact Exposure in Youth Football: High School Ages 14 to 18 Years and Cumulative Impact Analysis. Annals of Biomedical Engineering, 2013, 41, 2474-2487.	1.3	127
135	Head Impact Exposure in Youth Football: Elementary School Ages 9-12 Years and the Effect of Practice Structure. Annals of Biomedical Engineering, 2013, 41, 2463-2473.	1.3	169
136	Lateral Impact Validation of a Geometrically Accurate Full Body Finite Element Model for Blunt Injury Prediction. Annals of Biomedical Engineering, 2013, 41, 497-512.	1.3	80
137	Investigation of the Safety Effects of Knee Bolster Air Bag Deployment in Similar Real-World Crash Comparisons. Traffic Injury Prevention, 2013, 14, 168-180.	0.6	10
138	Development of a robust mapping between AIS 2+ and ICD-9 injury codes. Accident Analysis and Prevention, 2013, 52, 133-143.	3.0	24
139	Investigation of pulmonary contusion extent and its correlation to crash, occupant, and injury characteristics in motor vehicle crashes. Accident Analysis and Prevention, 2013, 50, 223-233.	3.0	11
140	Fibrin Glue Augmentation for Flexor Tendon Repair Increases Friction Compared With Epitendinous Suture. Journal of Hand Surgery, 2013, 38, 2329-2334.	0.7	8
141	Effect of Strain Rate on the Material Properties of Human Liver Parenchyma in Unconfined Compression. Journal of Biomechanical Engineering, 2013, 135, 104503-8.	0.6	17
142	An Evaluation of Objective Rating Methods for Full-Body Finite Element Model Comparison to PMHS Tests. Traffic Injury Prevention, 2013, 14, S87-S94.	0.6	34
143	A similarity scoring technique to analyse comparisons of real-world crashes to crash tests: initial results from a 12-point system. International Journal of Vehicle Safety, 2013, 6, 191.	0.2	2
144	A Multi-Modality Dataset for the Development of a Small Female Full Body Finite Element Model. , 2013, , .		0

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145	Application of a Standard Quantitative Comparison Method to Assess a Full Body Finite Element Model in Frontal Impact. , 2013, , .		0
146	Comparison of Organ Location, Morphology, and Rib Coverage of a Midsized Male in the Supine and Seated Positions. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-12.	0.7	20
147	Abdominal Organ Location, Morphology, and Rib Coverage for the 5(th), 50(th), and 95(th) Percentile Males and Females in the Supine and Seated Posture using Multi-Modality Imaging. Annals of Advances in Automotive Medicine, 2013, 57, 111-22.	0.6	5
148	Mortality-based Quantification of Injury Severity for Frequently Occurring Motor Vehicle Crash Injuries. Annals of Advances in Automotive Medicine, 2013, 57, 235-46.	0.6	12
149	Semiautomatic method of quantifying pleural effusions using computed tomography scans - biomed 2013. Biomedical Sciences Instrumentation, 2013, 49, 13-9.	0.2	2
150	Development of an occult metric for common motor vehicle crash injuries - biomed 2013. Biomedical Sciences Instrumentation, 2013, 49, 274-80.	0.2	3
151	Evaluation of the extent and distribution of diffuse axonal injury from real world motor vehicle crashes - biomed 2013. Biomedical Sciences Instrumentation, 2013, 49, 297-304.	0.2	5
152	Motor Vehicle Crash-Related Subdural Hematoma from Real-World Head Impact Data. Journal of Neurotrauma, 2012, 29, 2774-2781.	1.7	18
153	An innovative approach to predict the development of adult respiratory distress syndrome in patients with blunt trauma. Journal of Trauma and Acute Care Surgery, 2012, 73, 1229-1235.	1.1	36
154	External Landmark, Body Surface, and Volume Data of a Mid-Sized Male in Seated and Standing Postures. Annals of Biomedical Engineering, 2012, 40, 2019-2032.	1.3	33
155	Modeling Brain Injury Response for Rotational Velocities of Varying Directions and Magnitudes. Annals of Biomedical Engineering, 2012, 40, 2005-2018.	1.3	61
156	Biomechanical response of human spleen in tensile loading. Journal of Biomechanics, 2012, 45, 348-355.	0.9	51
157	Paper 237: An Allograft Based Tissue Engineered Meniscus Scaffold. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2012, 28, e476-e477.	1.3	0
158	Single-row Versus Double-row Repair of the Distal Achilles Tendon: A Biomechanical Comparison. Journal of Foot and Ankle Surgery, 2012, 51, 762-766.	0.5	32
159	The mechanical properties of dry, electrospun fibrinogen fibers. Materials Science and Engineering C, 2012, 32, 215-221.	3.8	55
160	Methods for comparison of abdominal organ location and shape in the supine and upright positions. Biomedical Sciences Instrumentation, 2012, 48, 351-8.	0.2	3
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