Lynne Bilston

List of Publications by Year
in descending order

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204	6,675	57631	85405
papers	citations	44 h-index	71 g-index

208	208	208	5553
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tongue acceleration in humans evoked with intramuscular electrical stimulation of genioglossus. Respiratory Physiology and Neurobiology, 2022, 295, 103786.	0.7	1
2	Task-dependent neural control of regions within human genioglossus. Journal of Applied Physiology, 2022, 132, 527-540.	1.2	5
3	Can Age or Height Define Appropriate Thresholds for Transition to Adult Seat Belts? An Analysis of Observed Seat Belt Fit in Children Aged 7â€“12 Years. International Journal of Environmental Research and Public Health, 2022, 19, 1524.	1.2	5
4	Comparative performance of rearward and forward-facing child restraint systems with common use errors: Effect on crash injury risk for a 1-year-old occupant. Traffic Injury Prevention, 2022, , 1-6.	0.6	1
5	Changes in intrathoracic pressure, not arterial pulsations, exert the greatest effect on tracer influx in the spinal cord. Fluids and Barriers of the CNS, 2022, 19, 14.	2.4	9
6	The relationship between mandibular advancement, tongue movement, and treatment outcome in obstructive sleep apnea. Sleep, 2022, , .	0.6	3
7	Head excursion in frontal impacts is lower in high back booster seats than in forward facing child seats with internal harnesses designed for children up to 8 years of age. Traffic Injury Prevention, 2022, 23, 244-249.	0.6	2
8	Neck Loads During Head-First Entries into Trampoline Dismount Foam Pits: Considerations for Trampoline Park Safety. Annals of Biomedical Engineering, 2022, 50, 691.	1.3	1
9	Statistical shape models of the posterior cranial fossa and hindbrain volumes may provide a more robust clinical metric for Chiari malformation. Journal of Biomechanics, 2022, 137, 111093.	0.9	3
10	Regional genioglossus reflex responses to negative pressure pulses in people with obstructive sleep apnea. Journal of Applied Physiology, 2022, 133, 755-765.	1.2	1
11	Mandibular advancement splint response is associated with the pterygomandibular raphe. Sleep, 2021, 44, .	0.6	5
12	Influence of mandibular advancement on tongue dilatory movement during wakefulness and how this is related to oral appliance therapy outcome for obstructive sleep apnea. Sleep, 2021, 44, .	0.6	7
13	Effect of upper airway fat on tongue dilation during inspiration in awake people with obstructive sleep apnea. Sleep, 2021, 44, .	0.6	10
14	Phase offset between arterial pulsations and subarachnoid space pressure fluctuations are unlikely to drive periarterial cerebrospinal fluid flow. Biomechanics and Modeling in Mechanobiology, 2021, 20, 1751-1766.	1.4	3
15	Dynamic frontal crash performance of old and used child restraint systems. Traffic Injury Prevention, 2021, 22, 570-575.	0.6	1
16	Treatment usage patterns of oral appliances for obstructive sleep apnea over the first 60 days: a cluster analysis. Journal of Clinical Sleep Medicine, 2021, 17, 1785-1792.	1.4	10
17	Magnetic Resonance Elastography Reconstruction for Anisotropic Tissues. Medical Image Analysis, 2021, 74, 102212.	7.0	22
18	Tachycardia and hypertension enhance tracer efflux from the spinal cord. Fluids and Barriers of the CNS, 2021, 18, 47.	2.4	0

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19	Computational modelling of fluid and solute transport in the brain. Biomechanics and Modeling in Mechanobiology, 2020, 19, 781-800.	1.4	31
20	Regional respiratory movement of the tongue is coordinated during wakefulness and is larger in severe obstructive sleep apnoea. Journal of Physiology, 2020, 598, 581-597.	1.3	17
21	Respiratory cerebrospinal fluid flow is driven by the thoracic and lumbar spinal pressures. Journal of Physiology, 2020, 598, 5789-5805.	1.3	30
22	A Process Evaluation Protocol for Examining the Impact of Instructions for Correct Use of Child Car Seats Designed through a Consumer-Driven Process and Evaluated in a Field-Based Randomised Controlled Trial. International Journal of Environmental Research and Public Health, 2020, 17, 4508.	1.2	3
23	Tetraplegic obstructive sleep apnoea patients dilate the airway similarly to able-bodied obstructive sleep apnoea patients. Journal of Spinal Cord Medicine, 2020, , 1-11.	0.7	3
24	Influence of child restraint system design features on comfort, belt fit and posture. Safety Science, 2020, 128, 104707.	2.6	6
25	Abnormalities in spinal cord ultrastructure in a rat model of post-traumatic syringomyelia. Fluids and Barriers of the CNS, 2020, 17, 11.	2.4	16
26	Restraint Factors and Child Passenger Deaths in New South Wales, Australia. International Journal of Environmental Research and Public Health, 2020, 17, 1147.	1.2	9
27	Nonlinear viscoelastic constitutive model for bovine liver tissue. Biomechanics and Modeling in Mechanobiology, 2020, 19, 1641-1662.	1.4	21
28	User-driven design of child restraint information to reduce errors in use: a pilot randomised controlled trial. Injury Prevention, 2020, 26, 432-438.	1.2	5
29	Brain Tissue Mechanical Properties. Biological and Medical Physics Series, 2019, , 71-95.	0.3	3
30	Cross-chest clips in child restraints: A crash testing study. Traffic Injury Prevention, 2019, 20, 720-725.	0.6	0
31	Respiratory-related displacement of the trachea in obstructive sleep apnea. Journal of Applied Physiology, 2019, 127, 1307-1316.	1.2	14
32	Cerebellar Tissue Strain in Chiari Malformation with Headache. World Neurosurgery, 2019, 130, e74-e81.	0.7	14
33	Sagittal Measurement of Tongue Movement During Respiration: Comparison Between Ultrasonography and Magnetic Resonance Imaging. Ultrasound in Medicine and Biology, 2019, 45, 921-934.	0.7	14
34	Paediatric brain tissue properties measured with magnetic resonance elastography. Biomechanics and Modeling in Mechanobiology, 2019, 18, 1497-1505.	1.4	22
35	The effects of variation in the arterial pulse waveform on perivascular flow. Journal of Biomechanics, 2019, 90, 65-70.	0.9	6
36	Dose-dependent effects of mandibular advancement on upper airway collapsibility and muscle function in obstructive sleep apnea. Sleep, 2019, 42, .	0.6	46

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37	Effect of extradural constriction on CSF flow in rat spinal cord. Fluids and Barriers of the CNS, 2019, 16, 7.	2.4	13
38	Magnetic resonance elastography in nonlinear viscoelastic materials under load. Biomechanics and Modeling in Mechanobiology, 2019, 18, 111-135.	1.4	17
39	Contemporary image-based methods for measuring passive mechanical properties of skeletal muscles in vivo. Journal of Applied Physiology, 2019, 126, 1454-1464.	1.2	16
40	Forward/editorial to accompany CNS injury special issue. Clinical Biomechanics, 2019, 64, 1.	0.5	0
41	Can child restraint product information developed using consumer testing sustain correct use 6 months after child restraint purchase? Study protocol for a cluster randomised controlled trial. Injury Prevention, 2019, 25, 175-179.	1.2	0
42	Measurement of large strain properties in calf muscles in vivo using magnetic resonance elastography and spatial modulation of magnetization. NMR in Biomedicine, 2018, 31, e3925.	1.6	10
43	The effect of correct cross-chest clip use on injury outcomes in young children during motor vehicle crashes. Traffic Injury Prevention, 2018, 19, 371-377.	0.6	1
44	Soft tissue rheology and its implications for elastography: Challenges and opportunities. NMR in Biomedicine, 2018, 31, e3832.	1.6	32
45	Magnetic resonance imaging of the upper airway in patients with quadriplegia and obstructive sleep apnea. Journal of Sleep Research, 2018, 27, e12616.	1.7	8
46	Influence of respiratory mechanics and drive on genioglossus movement under ultrasound imaging. PLoS ONE, 2018, 13, e0195884.	1.1	8
47	Motor unit territories in human genioglossus estimated with multichannel intramuscular electrodes. Journal of Applied Physiology, 2018, 124, 664-671.	1.2	23
48	Fluid outflow in the rat spinal cord: the role of perivascular and paravascular pathways. Fluids and Barriers of the CNS, 2018, 15, 13.	2.4	32
49	Barriers to correct child restraint use: A qualitative study of child restraint users and their needs. Safety Science, 2018, 109, 186-194.	2.6	17
50	PA 16-5-1933â€...User-centred instructions reduce misuse of child restraint systems: results from a controlled laboratory trial. , 2018, , .		0
51	Chiari malformation may increase perivascular cerebrospinal fluid flow into the spinal cord: A subject-specific computational modelling study. Journal of Biomechanics, 2017, 65, 185-193.	0.9	19
52	The ultrastructure of spinal cord perivascular spaces: Implications for the circulation of cerebrospinal fluid. Scientific Reports, 2017, 7, 12924.	1.6	53
53	Characteristics of CSF Velocity-Time Profile in Posttraumatic Syringomyelia. American Journal of Neuroradiology, 2017, 38, 1839-1844.	1.2	15
54	A novel method for quanitifying comfort in child passengers demonstrates an association between child restraint comfort and errors in use of booster seats. Traffic Injury Prevention, 2017, 18, S109-S115.	0.6	5

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55	Liver Stiffness Values Are Lower in Pediatric Subjects than in Adults and Increase with Age: A Multifrequency MR Elastography Study. Radiology, 2017, 283, 222-230.	3.6	36
56	Sustained high-pressure in the spinal subarachnoid space while arterial expansion is low may be linked to syrinx development. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 457-467.	0.9	4
57	â€œHeâ€™s the Number One Thing in My Worldâ€: Application of the PRECEDE-PROCEED Model to Explore Child Car Seat Use in a Regional Community in New South Wales. International Journal of Environmental Research and Public Health, 2017, 14, 1206.	1.2	6
58	Development of acute hydrocephalus does not change brain tissue mechanical properties in adult rats, but in juvenile rats. PLoS ONE, 2017, 12, e0182808.	1.1	11
59	The Skull and Brain. , 2017, , 159-174.		0
60	Injury patterns of rear seat occupants in frontal impact: an in-depth crash investigation study. Injury Prevention, 2016, 22, 165-170.	1.2	9
61	537â€…Consensus driven design of child restraint product information to reduce misuse. Injury Prevention, 2016, 22, A193.3-A194.	1.2	4
62	58â€…Child car restraint use among aboriginal and torres strait islander children. Injury Prevention, 2016, 22, A23.1-A23.	1.2	1
63	Development and validation of a computational finite element model of the rabbit upper airway: simulations of mandibular advancement and tracheal displacement. Journal of Applied Physiology, 2016, 120, 743-757.	1.2	12
64	Effect of head and jaw position on respiratory-related motion of the genioglossus. Journal of Applied Physiology, 2016, 120, 758-765.	1.2	17
65	Longitudinal measurements of postnatal rat brain mechanical properties in-vivo. Journal of Biomechanics, 2016, 49, 1751-1756.	0.9	14
66	Direct-trauma model of posttraumatic syringomyelia with a computer-controlled motorized spinal cord impactor. Journal of Neurosurgery: Spine, 2016, 24, 797-805.	0.9	14
67	Family day care educators as a source of child car safety information for parents. International Journal of Health Promotion and Education, 2016, 54, 24-33.	0.4	0
68	Zopiclone Increases the Arousal Threshold without Impairing Genioglossus Activity in Obstructive Sleep Apnea. Sleep, 2016, 39, 757-766.	0.6	82
69	Inwardly rectifying potassium channel 4.1 expression in post-traumatic syringomyelia. Neuroscience, 2016, 317, 23-35.	1.1	11
70	The Influence of Microstructure on Neural Tissue Mechanics. , 2016, , 1-14.		2
71	Child restraint use and parental perceptions of comfort. Traffic Injury Prevention, 2016, 17, 758-762.	0.6	2
72	Longitudinal measurements of syrinx size in a rat model of posttraumatic syringomyelia. Journal of Neurosurgery: Spine, 2016, 24, 941-948.	0.9	17

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73	Cerebellar and hindbrain motion in Chiari malformation with and without syringomyelia. Journal of Neurosurgery: Spine, 2016, 24, 546-555.	0.9	45
74	Effect of endoscopic third ventriculostomy on cerebrospinal fluid pressure in the cerebral ventricles. Journal of Clinical Neuroscience, 2016, 23, 63-67.	0.8	9
75	Changes in Rat Brain Tissue Microstructure and Stiffness during the Development of Experimental Obstructive Hydrocephalus. PLoS ONE, 2016, 11, e0148652.	1.1	27
76	Case Study: Imaging of Apnea Termination in a Patient with Obstructive Sleep Apnea during Natural Sleep. Journal of Clinical Sleep Medicine, 2016, 12, 1563-1564.	1.4	0
77	Bridging Three Orders of Magnitude: Multiple Scattered Waves Sense Fractal Microscopic Structures via Dispersion. Physical Review Letters, 2015, 115, 094301.	2.9	32
78	Microvasculature alters the dispersion properties of shear waves - a multi-frequency MR elastography study. NMR in Biomedicine, 2015, 28, 1763-1771.	1.6	20
79	Program Fidelity Measures Associated With an Effective Child Restraint Program: Buckle-Up Safely. American Journal of Public Health, 2015, 105, 584-590.	1.5	8
80	Tongue Stiffness is Lower in Patients with Obstructive Sleep Apnea during Wakefulness Compared with Matched Control Subjects. Sleep, 2015, 38, 537-544.	0.6	51
81	Peripharyngeal tissue deformation, stress distributions, and hyoid bone movement in response to mandibular advancement. Journal of Applied Physiology, 2015, 118, 282-291.	1.2	9
82	Tailoring Stimuli Responsiveness using Dynamic Covalent Cross-Linking of Poly(vinyl alcohol)-Heparin Hydrogels for Controlled Cell and Growth Factor Delivery. ACS Biomaterials Science and Engineering, 2015, 1, 1267-1277.	2.6	29
83	Characterising skeletal muscle under large strain using eccentric and Fourier Transform-rheology. Journal of Biomechanics, 2015, 48, 3788-3795.	0.9	10
84	MR Elastography Can Be Used to Measure Brain Stiffness Changes as a Result of Altered Cranial Venous Drainage During Jugular Compression. American Journal of Neuroradiology, 2015, 36, 1971-1977.	1.2	51
85	Changes in the length and threeâ€dimensional orientation of muscle fascicles and aponeuroses with passive length changes in human gastrocnemius muscles. Journal of Physiology, 2015, 593, 441-455.	1.3	50
86	Measurement of Passive Skeletal Muscle Mechanical Properties In Vivo: Recent Progress, Clinical Applications, and Remaining Challenges. Annals of Biomedical Engineering, 2015, 43, 261-273.	1.3	59
87	A novel ultrasound technique to measure genioglossus movement in vivo. Journal of Applied Physiology, 2014, 117, 556-562.	1.2	15
88	Healthy humans with a narrow upper airway maintain patency during quiet breathing by dilating the airway during inspiration. Journal of Physiology, 2014, 592, 4763-4774.	1.3	44
89	The Scope and Nature of Injuries to Rear Seat Passengers in NSW Using Linked Hospital Admission and Police Data. Traffic Injury Prevention, 2014, 15, 462-469.	0.6	10
90	Assessment of Vehicle and Restraint Design Changes for Mitigating Rear Seat Occupant Injuries. Traffic Injury Prevention, 2014, 15, 711-719.	0.6	11

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91	In Vivo Anisotropic Mechanical Properties of Dystrophic Skeletal Muscles Measured by Anisotropic MR Elastographic Imaging: The mdx Mouse Model of Muscular Dystrophy. Radiology, 2014, 273, 726-735.	3.6	46
92	Peripharyngeal tissue deformation and stress distributions in response to caudal tracheal displacement: pivotal influence of the hyoid bone?. Journal of Applied Physiology, 2014, 116, 746-756.	1.2	17
93	Biomechanical properties of the human upper airway and their effect on its behavior during breathing and in obstructive sleep apnea. Journal of Applied Physiology, 2014, 116, 314-324.	1.2	89
94	Buckle Up Safely (Shoalhaven): A Process and Impact Evaluation of a Pragmatic, Multifaceted Preschool-Based Pilot Program to Increase Correct Use of Age-Appropriate Child Restraints. Traffic Injury Prevention, 2014, 15, 483-490.	0.6	15
95	Epidemiological profile of hospitalised injuries among electric bicycle riders admitted to a rural hospital in Suzhou: a cross-sectional study. Injury Prevention, 2014, 20, 128-133.	1.2	56
96	Effects of fluid structure interaction in a three dimensional model of the spinal subarachnoid space. Journal of Biomechanics, 2014, 47, 2826-2830.	0.9	25
97	Can the material properties of regenerate bone be predicted with non-invasive methods of assessment? Exploring the correlation between dual X-ray absorptiometry and compression testing to failure in an animal model of distraction osteogenesis. Strategies in Trauma and Limb Reconstruction, 2014, 9, 45-51.	0.2	5
98	Restraint Use and Injury Patterns of Young Drivers and Passengers Admitted to Hospitals in New South Wales, Australia. Transportation Research Record, 2014, 2425, 41-49.	1.0	1
99	Preventing death and injury to child motor vehicle passengers: achieving best practice requires simplifying restraint choice for parents and setting best practice as the societal norm. New Zealand Medical Journal, 2014, 127, 9-12.	0.5	0
100	Computational fluid dynamics modelling of cerebrospinal fluid pressure in Chiari malformation and syringomyelia. Journal of Biomechanics, 2013, 46, 1801-1809.	0.9	49
101	Understanding on-road practices of electric bike riders: An observational study in a developed city of China. Accident Analysis and Prevention, 2013, 59, 319-326.	3.0	125
102	Severity of Spinal Cord Injury in Adult and Infant Rats after Vertebral Dislocation Depends upon Displacement but not Speed. Journal of Neurotrauma, 2013, 30, 1361-1373.	1.7	13
103	Aquaporin-4 Expression in Post-Traumatic Syringomyelia. Journal of Neurotrauma, 2013, 30, 1457-1467.	1.7	37
104	Changes in temporal flow characteristics of CSF in Chiari malformation Type I with and without syringomyelia: implications for theory of syrinx development. Journal of Neurosurgery, 2013, 118, 1135-1140.	0.9	53
105	Characterising soft tissues under large amplitude oscillatory shear and combined loading. Journal of Biomechanics, 2013, 46, 1060-1066.	0.9	53
106	Child restraint use in low socio-economic areas of urban Sydney during transition to new legislation. Accident Analysis and Prevention, 2013, 50, 984-991.	3.0	21
107	Combining MR elastography and diffusion tensor imaging for the assessment of anisotropic mechanical properties: A phantom study. Journal of Magnetic Resonance Imaging, 2013, 37, 217-226.	1.9	77
108	Gastrocnemius Muscle Contracture After Spinal Cord Injury. American Journal of Physical Medicine and Rehabilitation, 2013, 92, 565-574.	0.7	16

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109	A qualitative approach using the integrative model of behaviour change to identify intervention strategies to increase optimal child restraint practices among culturally and linguistically diverse families in New South Wales. Injury Prevention, 2013, 19, 6-12.	1.2	9
110	Measuring anisotropic muscle stiffness properties using elastography. NMR in Biomedicine, 2013, 26, 1387-1394.	1.6	70
111	Increase in best practice child car restraint use for children aged 2â€“5 years in low socioeconomic areas after introduction of mandatory child restraint laws. Australian and New Zealand Journal of Public Health, 2013, 37, 272-277.	0.8	19
112	Tongue and Lateral Upper Airway Movement with Mandibular Advancement. Sleep, 2013, 36, 397-404.	0.6	94
113	Respiratory Movement of Upper Airway Tissue in Obstructive Sleep Apnea. Sleep, 2013, 36, 1069-1076.	0.6	87
114	Aquaporin-4 expression and bloodâ€“spinal cord barrier permeability in canalicular syringomyelia. Journal of Neurosurgery: Spine, 2012, 17, 602-612.	0.9	22
115	Exploring child car passenger safety practices in China: experience from a parental survey in Shanghai. Injury Prevention, 2012, 18, 133-137.	1.2	21
116	Rheological Properties of Anisotropic Tissues at Large Amplitude Oscillatory Shear. , 2012, , .		0
117	Evaluation of an Education, Restraint Distribution, and Fitting Program to Promote Correct Use of Age-Appropriate Child Restraints for Children Aged 3 to 5 Years: A Cluster Randomized Trial. American Journal of Public Health, 2012, 102, e96-e102.	1.5	24
118	Fluid Outflow in a Large-Animal Model of Posttraumatic Syringomyelia. Neurosurgery, 2012, 71, 474-480.	0.6	12
119	Child passenger safety practice in China: attention and action. Injury Prevention, 2012, 18, A203.1-A203.	1.2	0
120	Cluster randomised trial of an integrated, education, restraint subsidisation and fitting programme to increase child restraint use in 3-year-old to 5-year-old children. Injury Prevention, 2012, 18, A110.2-A110.	1.2	1
121	Myofascial force transmission between the human soleus and gastrocnemius muscles during passive knee motion. Journal of Applied Physiology, 2012, 113, 517-523.	1.2	61
122	Passive Mechanical Properties of Gastrocnemius Muscles of People With Ankle Contracture After Stroke. Archives of Physical Medicine and Rehabilitation, 2012, 93, 1185-1190.	0.5	61
123	The presence of arachnoiditis affects the characteristics of CSF flow in the spinal subarachnoid space: A modelling study. Journal of Biomechanics, 2012, 45, 1186-1191.	0.9	47
124	Passive mechanical properties of the gastrocnemius after spinal cord injury. Muscle and Nerve, 2012, 46, 237-245.	1.0	30
125	Measuring changes in muscle stiffness after eccentric exercise using elastography. NMR in Biomedicine, 2012, 25, 852-858.	1.6	68
126	Using static preload with magnetic resonance elastography to estimate large strain viscoelastic properties of bovine liver. Journal of Biomechanics, 2011, 44, 2461-2465.	0.9	35

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127	Single motor unit recordings in human geniohyoid reveal minimal respiratory activity during quiet breathing. Journal of Applied Physiology, 2011, 110, 1054-1059.	1.2	16
128	Movement of the human upper airway during inspiration with and without inspiratory resistive loading. Journal of Applied Physiology, 2011, 110, 69-75.	1.2	43
129	In vivo passive mechanical behaviour of muscle fascicles and tendons in human gastrocnemius muscleâ€“tendon units. Journal of Physiology, 2011, 589, 5257-5267.	1.3	89
130	Restraint use and seating position among child car passengers: An observational study in Shanghai. Accident Analysis and Prevention, 2011, 43, 2195-2199.	3.0	18
131	Buckle up safely: a cluster randomised trial to evaluate the effectiveness of a pre-school based program to increase appropriate use of child restraints. BMC Public Health, 2011, 11, 16.	1.2	12
132	Child Restraint Fitting Stations reduce incorrect restraint use among child occupants. Accident Analysis and Prevention, 2011, 43, 1128-1133.	3.0	26
133	Viscoelastic properties of the tongue and soft palate using MR elastography. Journal of Biomechanics, 2011, 44, 450-454.	0.9	104
134	Viscous elements have little impact on measured passive lengthâ€“tension properties of human gastrocnemius muscleâ€“tendon units in vivo. Journal of Biomechanics, 2011, 44, 1334-1339.	0.9	10
135	Viscoelastic properties of human cerebellum using magnetic resonance elastography. Journal of Biomechanics, 2011, 44, 1909-1913.	0.9	98
136	Variations in Rear Seat Cushion Properties and the Effects on Submarining. Traffic Injury Prevention, 2011, 12, 54-61.	0.6	15
137	Spinal injury in car crashes: crash factors and the effects of occupant age. Injury Prevention, 2011, 17, 228-232.	1.2	21
138	Factors predicting incorrect use of restraints by children travelling in cars: a cluster randomised observational study. Injury Prevention, 2011, 17, 91-96.	1.2	25
139	Brain Tissue Mechanical Properties. Biological and Medical Physics Series, 2011, , 69-89.	0.3	20
140	Onset of airflow limitation in a collapsible tube model: impact of surrounding pressure, longitudinal strain, and wall folding geometry. Journal of Applied Physiology, 2010, 109, 1467-1475.	1.2	30
141	The effects of the interthalamic adhesion position on cerebrospinal fluid dynamics in the cerebral ventricles. Journal of Biomechanics, 2010, 43, 579-582.	0.9	30
142	Stress relaxation of human ankles is only minimally affected by knee and ankle angle. Journal of Biomechanics, 2010, 43, 990-993.	0.9	9
143	Accessory child safety harnesses: Do the risks outweigh the benefits?. Accident Analysis and Prevention, 2010, 42, 112-121.	3.0	4
144	A matched-cohort analysis of belted front and rear seat occupants in newer and older model vehicles shows that gains in front occupant safety have outpaced gains for rear seat occupants. Accident Analysis and Prevention, 2010, 42, 1974-1977.	3.0	43

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145	Population-level estimates of child restraint practices among children aged 0â€“12 years in NSW, Australia. Accident Analysis and Prevention, 2010, 42, 2144-2148.	3.0	42
146	Changes in human sensory axonal excitability induced by focal nerve compression. Journal of Physiology, 2010, 588, 1737-1745.	1.3	23
147	The influence of the relative timing of arterial and subarachnoid space pulse waves on spinal perivascular cerebrospinal fluid flow as a possible factor in syrinx development. Journal of Neurosurgery, 2010, 112, 808-813.	0.9	102
148	Shoulder Height Labeling of Child Restraints to Minimize Premature Graduation. Pediatrics, 2010, 126, 490-497.	1.0	2
149	Relative Benefits of Population-Level Interventions Targeting Restraint-Use in Child Car Passengers. Pediatrics, 2010, 125, 304-312.	1.0	24
150	Computational Model of the Cerebral Ventricles in Hydrocephalus. Journal of Biomechanical Engineering, 2010, 132, 054501.	0.6	28
151	Dynamic modelling of the oral, pharyngeal and laryngeal complex for biomedical applications. Computer Methods in Biomechanics and Biomedical Engineering, 2010, 13, 441-442.	0.9	2
152	The Characteristics of Incorrect Restraint Use Among Children Traveling in Cars in New South Wales, Australia. Traffic Injury Prevention, 2010, 11, 391-398.	0.6	35
153	Brain Tissue Mechanical Properties. Studies in Mechanobiology, Tissue Engineering and Biomaterials, 2010, , 11-24.	0.7	2
154	Spinal injury in motor vehicle crashes: elevated risk persists up to 12 years of age. Archives of Disease in Childhood, 2009, 94, 546-548.	1.0	5
155	The mechanical properties of neonatal rat spinal cord in vitro, and comparisons with adult. Journal of Biomechanics, 2009, 42, 1397-1402.	0.9	41
156	The development of an improved physical surrogate model of the human spinal cordâ€”Tension and transverse compression. Journal of Biomechanics, 2009, 42, 878-883.	0.9	22
157	The effects of preconditioning strain on measured tissue properties. Journal of Biomechanics, 2009, 42, 1360-1362.	0.9	92
158	Tensile radial stress in the spinal cord related to arachnoiditis or tethering: a numerical model. Medical and Biological Engineering and Computing, 2008, 46, 701-707.	1.6	40
159	In vivo brain viscoelastic properties measured by magnetic resonance elastography. NMR in Biomedicine, 2008, 21, 755-764.	1.6	364
160	Rheological properties of the tissues of the central nervous system: A review. Medical Engineering and Physics, 2008, 30, 1318-1337.	0.8	179
161	Movement of the tongue during normal breathing in awake healthy humans. Journal of Physiology, 2008, 586, 4283-4294.	1.3	87
162	Accuracy of medical and ambulance record restraint and crash data information for child occupants. Injury Prevention, 2008, 14, 46-50.	1.2	5

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163	Anterior Fracture-Dislocation Is More Severe than Lateral: A Biomechanical and Neuropathological Comparison in Rat Thoracolumbar Spine. Journal of Neurotrauma, 2008, 25, 371-383.	1.7	22
164	Age-specific parental knowledge of restraint transitions influences appropriateness of child occupant restraint use. Injury Prevention, 2008, 14, 159-163.	1.2	34
165	Contrasting Biomechanics and Neuropathology of Spinal Cord Injury in Neonatal and Adult Rats following Vertebral Dislocation. Journal of Neurotrauma, 2008, 25, 817-832.	1.7	15
166	Association Between Different Restraint Use and Rear-Seated Child Passenger Fatalities. JAMA Pediatrics, 2008, 162, 1085.	3.6	38
167	Evidence to support changes to child restraint legislation. Medical Journal of Australia, 2008, 189, 598-599.	0.8	2
168	Models of the pulsatile hydrodynamics of cerebrospinal fluid flow in the normal and abnormal intracranial system. Computer Methods in Biomechanics and Biomedical Engineering, 2007, 10, 151-157.	0.9	21
169	Pediatric Spinal Injury Type and Severity Are Age and Mechanism Dependent. Spine, 2007, 32, 2339-2347.	1.0	76
170	Immature Sheep Spines Are More Flexible Than Mature Spines. Spine, 2007, 32, 2970-2979.	1.0	29
171	Reconstruction of Crashes Involving Injured Child Occupants: The Risk of Serious Injuries Associated with Sub-Optimal Restraint Use May Be Reduced by Better Controlling Occupant Kinematics. Traffic Injury Prevention, 2007, 8, 47-61.	0.6	30
172	Seatbelts and the law: how well do we protect Australian children?. Medical Journal of Australia, 2007, 186, 635-638.	0.8	11
173	Mechanically evoked sensory and motor responses to dynamic compression of the ulnar nerve. Muscle and Nerve, 2007, 35, 303-311.	1.0	9
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175	Unconfined compression of white matter. Journal of Biomechanics, 2007, 40, 117-124.	0.9	190
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