

# Peter A Cripton

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4821455/publications.pdf>

Version: 2024-02-01

140  
papers

4,822  
citations

101496

36  
h-index

118793

62  
g-index

141  
all docs

141  
docs citations

141  
times ranked

4233  
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of transportation infrastructure on bicycling injuries and crashes: a review of the literature. <i>Environmental Health</i> , 2009, 8, 47.	1.7	350
2	Route Infrastructure and the Risk of Injuries to Bicyclists: A Case-Crossover Study. <i>American Journal of Public Health</i> , 2012, 102, 2336-2343.	1.5	235
3	Interbody cage stabilisation in the lumbar spine: Biomechanical evaluation of cage design, posterior instrumentation and bone density. <i>Journal of Bone and Joint Surgery: British Volume</i> , 1998, 80, 351-359.	3.4	194
4	During sideways falls proximal femur fractures initiate in the superolateral cortex: Evidence from high-speed video of simulated fractures. <i>Journal of Biomechanics</i> , 2009, 42, 1917-1925.	0.9	173
5	Compressive strength of interbody cages in the lumbar spine: the effect of cage shape, posterior instrumentation and bone density. <i>European Spine Journal</i> , 1998, 7, 132-141.	1.0	171
6	Merging pathology with biomechanics using CHIMERA (Closed-Head Impact Model of Engineered) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Neurodegeneration, 2014, 9, 55.	4.4	148
7	A Novel Porcine Model of Traumatic Thoracic Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2013, 30, 142-159.	1.7	123
8	Comparing the effects of infrastructure on bicycling injury at intersections and non-intersections using a caseâ€“crossover design. <i>Injury Prevention</i> , 2013, 19, 303-310.	1.2	120
9	Bicycle helmets are highly effective at preventing head injury during head impact: Head-form accelerations and injury criteria for helmeted and unhelmeted impacts. <i>Accident Analysis and Prevention</i> , 2014, 70, 1-7.	3.0	109
10	In vitro axial preload application during spine flexibility testing: towards reduced apparatus-related artefacts. <i>Journal of Biomechanics</i> , 2000, 33, 1559-1568.	0.9	105
11	The Biomechanical Effects of Kyphoplasty on Treated and Adjacent Nontreated Vertebral Bodies. <i>Journal of Spinal Disorders and Techniques</i> , 2005, 18, 84-91.	1.8	99
12	The Relative Importance of Vertebral Bone Density and Disc Degeneration in Spinal Flexibility and Interbody Implant Performance. <i>Spine</i> , 1996, 21, 2558-2569.	1.0	97
13	Proximal femur bone strength estimated by a computationally fast finite element analysis in a sideways fall configuration. <i>Journal of Biomechanics</i> , 2013, 46, 1231-1236.	0.9	92
14	A Method to Simulate In Vivo Cervical Spine Kinematics Using In Vitro Compressive Preload. <i>Spine</i> , 2002, 27, 43-48.	1.0	90
15	Towards clinical management of traumatic brain injury: a review of models and mechanisms from a biomechanical perspective. <i>DMM Disease Models and Mechanisms</i> , 2013, 6, 1325-38.	1.2	84
16	Safe Cycling: How Do Risk Perceptions Compare With Observed Risk?. <i>Canadian Journal of Public Health</i> , 2012, 103, S42-S47.	1.1	75
17	Load-Sharing Characteristics of Stabilized Lumbar Spine Segments. <i>Spine</i> , 2000, 25, 170.	1.0	71
18	Hip protectors: recommendations for biomechanical testingâ€“an international consensus statement (part I). <i>Osteoporosis International</i> , 2009, 20, 1977-1988.	1.3	66

#	ARTICLE	IF	CITATIONS
19	Biomechanical Evaluation of the Total Facet Arthroplasty System, <i>Spine</i> , 2007, 32, 55-62.	1.0	65
20	Defining the biomechanical and biological threshold of murine mild traumatic brain injury using CHIMERA (Closed Head Impact Model of Engineered Rotational Acceleration). <i>Experimental Neurology</i> , 2017, 292, 80-91.	2.0	61
21	A minimally disruptive technique for measuring intervertebral disc pressure in vitro: application to the cervical spine. <i>Journal of Biomechanics</i> , 2001, 34, 545-549.	0.9	60
22	Shear deformation and fracture of human cortical bone. <i>Bone</i> , 2015, 71, 25-35.	1.4	57
23	Development of a System for In Vitro Neck Muscle Force Replication in Whole Cervical Spine Experiments. <i>Spine</i> , 2001, 26, 2214-2219.	1.0	55
24	Changes in Pressure, Hemodynamics, and Metabolism within the Spinal Cord during the First 7 Days after Injury Using a Porcine Model. <i>Journal of Neurotrauma</i> , 2017, 34, 3336-3350.	1.7	51
25	CHIMERA repetitive mild traumatic brain injury induces chronic behavioural and neuropathological phenotypes in wild-type and APP/PS1 mice. <i>Alzheimer's Research and Therapy</i> , 2019, 11, 6.	3.0	50
26	A scoping review of the proximal humerus fracture literature. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 112.	0.8	48
27	Kinematic response of lumbar functional spinal units to axial torsion with and without superimposed compression and flexion/extension. <i>European Spine Journal</i> , 2004, 13, 560-566.	1.0	46
28	Development of a balanced experimental-computational approach to understanding the mechanics of proximal femur fractures. <i>Medical Engineering and Physics</i> , 2014, 36, 793-799.	0.8	45
29	Severity of urban cycling injuries and the relationship with personal, trip, route and crash characteristics: analyses using four severity metrics. <i>BMJ Open</i> , 2015, 5, e006654-e006654.	0.8	45
30	Biofidelic whole cervical spine model with muscle force replication for whiplash simulation. <i>European Spine Journal</i> , 2005, 14, 346-355.	1.0	43
31	Development of an Inertia-Driven Model of Sideways Fall for Detailed Study of Femur Fracture Mechanics. <i>Journal of Biomechanical Engineering</i> , 2013, 135, 121001.	0.6	41
32	Ex vivo measurement of lumbar intervertebral disc pressure using fibre-Bragg gratings. <i>Journal of Biomechanics</i> , 2008, 41, 221-225.	0.9	40
33	Bicycling crash circumstances vary by route type: a cross-sectional analysis. <i>BMC Public Health</i> , 2014, 14, 1205.	1.2	40
34	The influence of the modulus-density relationship and the material mapping method on the simulated mechanical response of the proximal femur in side-ways fall loading configuration. <i>Medical Engineering and Physics</i> , 2016, 38, 679-689.	0.8	40
35	Hip protectors: recommendations for conducting clinical trials-an international consensus statement (part II). <i>Osteoporosis International</i> , 2010, 21, 1-10.	1.3	38
36	Wear and Corrosion in Retrieved Thoracolumbar Posterior Internal Fixation. <i>Spine</i> , 2006, 31, 2454-2462.	1.0	37

#	ARTICLE	IF	CITATIONS
37	Age at injury and genotype modify acute inflammatory and neurofilament-light responses to mild CHIMERA traumatic brain injury in wild-type and APP/PS1 mice. <i>Experimental Neurology</i> , 2018, 301, 26-38.	2.0	37
38	The Effect of Cerebrospinal Fluid on the Biomechanics of Spinal Cord. <i>Spine</i> , 2008, 33, E580-E588.	1.0	36
39	Cervical spinal cord deformation during simulated head-first impact injuries. <i>Journal of Biomechanics</i> , 2011, 44, 2565-2571.	0.9	36
40	Gross Morphological Changes of the Spinal Cord Immediately After Surgical Decompression in a Large Animal Model of Traumatic Spinal Cord Injury. <i>Spine</i> , 2012, 37, E890-E899.	1.0	35
41	A Review of Impact Testing Methods for Headgear in Sports: Considerations for Improved Prevention of Head Injury Through Research and Standards. <i>Journal of Biomechanical Engineering</i> , 2019, 141, .	0.6	35
42	Cement Augmentation of Vertebral Screws Enhances the Interface Strength Between Interbody Device and Vertebral Body. <i>Spine</i> , 2007, 32, 334-341.	1.0	34
43	The Pressure Distribution of Cerebrospinal Fluid Responds to Residual Compression and Decompression in an Animal Model of Acute Spinal Cord Injury. <i>Spine</i> , 2012, 37, E1422-E1431.	1.0	34
44	Comparison of explicit finite element and mechanical simulation of the proximal femur during dynamic drop-tower testing. <i>Journal of Biomechanics</i> , 2015, 48, 224-232.	0.9	34
45	Material mapping strategy to improve the predicted response of the proximal femur to a sideways fall impact. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 78, 196-205.	1.5	33
46	Development of a large-animal model to measure dynamic cerebrospinal fluid pressure during spinal cord injury. <i>Journal of Neurosurgery: Spine</i> , 2012, 16, 624-635.	0.9	32
47	Nonlinear viscoelastic characterization of the porcine spinal cord. <i>Acta Biomaterialia</i> , 2014, 10, 792-797.	4.1	32
48	Defining an Analytic Framework to Evaluate Quantitative MRI Markers of Traumatic Axonal Injury: Preliminary Results in a Mouse Closed Head Injury Model. <i>ENeuro</i> , 2017, 4, ENEURO.0164-17.2017.	0.9	32
49	Chronic Exposure to Androgenic-Anabolic Steroids Exacerbates Axonal Injury and Microgliosis in the CHIMERA Mouse Model of Repetitive Concussion. <i>PLoS ONE</i> , 2016, 11, e0146540.	1.1	31
50	Increased severity of the CHIMERA model induces acute vascular injury, sub-acute deficits in memory recall, and chronic white matter gliosis. <i>Experimental Neurology</i> , 2020, 324, 113116.	2.0	30
51	Proximal femur elastic behaviour is the same in impact and constant displacement rate fall simulation. <i>Journal of Biomechanics</i> , 2014, 47, 3744-3749.	0.9	29
52	Effects of hip abductor muscle forces and knee boundary conditions on femoral neck stresses during simulated falls. <i>Osteoporosis International</i> , 2015, 26, 291-301.	1.3	29
53	Morphology based anisotropic finite element models of the proximal femur validated with experimental data. <i>Medical Engineering and Physics</i> , 2016, 38, 1339-1347.	0.8	29
54	Mechanisms of cervical spine injury in rugby union: is it premature to abandon hyperflexion as the main mechanism underpinning injury?. <i>British Journal of Sports Medicine</i> , 2012, 46, 545-549.	3.1	26

#	ARTICLE	IF	CITATIONS
55	Pull-out strength of pedicle hooks with fixation screws: influence of screw length and angulation. <i>European Spine Journal</i> , 1996, 5, 71-73.	1.0	25
56	Pediatric lumbar Chance fractures in British Columbia: Chart review and analysis of the use of shoulder restraints in MVAs. <i>Accident Analysis and Prevention</i> , 2008, 40, 1424-1429.	3.0	25
57	Acoustic emission signals can discriminate between compressive bone fractures and tensile ligament injuries in the spine during dynamic loading. <i>Journal of Biomechanics</i> , 2012, 45, 1643-1649.	0.9	25
58	Explicit Finite Element Models Accurately Predict Subject-Specific and Velocity-Dependent Kinetics of Sideways Fall Impact. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1837-1850.	3.1	25
59	Optical Assessment of Spinal Cord Tissue Oxygenation Using a Miniaturized Near Infrared Spectroscopy Sensor. <i>Journal of Neurotrauma</i> , 2019, 36, 3034-3043.	1.7	25
60	A minimally invasive in-fiber Bragg grating sensor for intervertebral disc pressure measurements. <i>Measurement Science and Technology</i> , 2008, 19, 085201.	1.4	24
61	Pediatric and Adult Three-Dimensional Cervical Spine Kinematics. <i>Spine</i> , 2009, 34, 1650-1657.	1.0	24
62	Animation of in vitro biomechanical tests. <i>Journal of Biomechanics</i> , 2001, 34, 1091-1096.	0.9	23
63	Validation of a Novel Minimally Invasive Intervertebral Disc Pressure Sensor Utilizing In-Fiber Bragg Gratings in a Porcine Model. <i>Spine</i> , 2008, 33, E589-E594.	1.0	22
64	The development of an improved physical surrogate model of the human spinal cord's tension and transverse compression. <i>Journal of Biomechanics</i> , 2009, 42, 878-883.	0.9	22
65	Comparison of specimen-specific vertebral body finite element models with experimental digital image correlation measurements. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 65, 801-807.	1.5	21
66	A novel sideways fall simulator to study hip fractures ex vivo. <i>PLoS ONE</i> , 2018, 13, e0201096.	1.1	21
67	The Bicyclists' Injuries and the Cycling Environment study: a protocol to tackle methodological issues facing studies of bicycling safety. <i>Injury Prevention</i> , 2011, 17, e6-e6.	1.2	20
68	Exposure-based Traffic Crash Injury Rates by Mode of Travel in British Columbia. <i>Canadian Journal of Public Health</i> , 2013, 104, e75-e79.	1.1	20
69	Responses of the Acutely Injured Spinal Cord to Vibration that Simulates Transport in Helicopters or Mine-Resistant Ambush-Protected Vehicles. <i>Journal of Neurotrauma</i> , 2016, 33, 2217-2226.	1.7	20
70	Review of the UBC Porcine Model of Traumatic Spinal Cord Injury. <i>Journal of Korean Neurosurgical Society</i> , 2018, 61, 539-547.	0.5	20
71	Biomechanical evaluation of the Total Facet Arthroplasty System® (TFAS®): loading as compared to a rigid posterior instrumentation system. <i>European Spine Journal</i> , 2012, 21, 1660-1673.	1.0	19
72	The Effect of Whole-Body Resonance Vibration in a Porcine Model of Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2015, 32, 908-921.	1.7	19

#	ARTICLE	IF	CITATIONS
73	Comparison of Strain Rosettes and Digital Image Correlation for Measuring Vertebral Body Strain. <i>Journal of Biomechanical Engineering</i> , 2016, 138, 054501.	0.6	19
74	Comparison of in vivo and ex vivo viscoelastic behavior of the spinal cord. <i>Acta Biomaterialia</i> , 2018, 68, 78-89.	4.1	19
75	On the internal reaction forces, energy absorption, and fracture in the hip during simulated sideways fall impact. <i>PLoS ONE</i> , 2018, 13, e0200952.	1.1	19
76	Repetitive closed-head impact model of engineered rotational acceleration (CHIMERA) injury in rats increases impulsivity, decreases dopaminergic innervation in the olfactory tubercle and generates white matter inflammation, tau phosphorylation and degeneration. <i>Experimental Neurology</i> , 2019, 317, 87-99.	2.0	19
77	Translational constraint influences dynamic spinal canal occlusion of the thoracic spine: An in vitro experimental study. <i>Journal of Biomechanics</i> , 2008, 41, 171-179.	0.9	18
78	Kinematic evaluation of one- and two-level Maverick lumbar total disc replacement caudal to a long thoracolumbar spinal fusion. <i>European Spine Journal</i> , 2012, 21, 599-611.	1.0	18
79	New means in spinal pedicle hook fixation. <i>European Spine Journal</i> , 1995, 4, 114-122.	1.0	17
80	The appropriate and inappropriate use of child restraint seats in Manitoba. <i>International Journal of Injury Control and Safety Promotion</i> , 2008, 15, 151-156.	1.0	17
81	Personal and trip characteristics associated with safety equipment use by injured adult bicyclists: a cross-sectional study. <i>BMC Public Health</i> , 2012, 12, 765.	1.2	17
82	Compressive Follower Load Influences Cervical Spine Kinematics and Kinetics During Simulated Head-First Impact in an in Vitro Model. <i>Journal of Biomechanical Engineering</i> , 2013, 135, 111003.	0.6	17
83	Cerebrospinal Fluid Pressures Resulting From Experimental Traumatic Spinal Cord Injuries in a Pig Model. <i>Journal of Biomechanical Engineering</i> , 2013, 135, 101005.	0.6	17
84	A Repeatable Ex Vivo Model of Spondylolysis and Spondylolisthesis. <i>Spine</i> , 2008, 33, 2387-2393.	1.0	16
85	Transmission of Force in the Lumbosacral Spine During Backward Falls. <i>Spine</i> , 2012, 37, E519-E527.	1.0	16
86	Neck posture and muscle activity are different when upside down: A human volunteer study. <i>Journal of Biomechanics</i> , 2013, 46, 2837-2843.	0.9	16
87	A scoping review of biomechanical testing for proximal humerus fracture implants. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 175.	0.8	16
88	Clinical hip fracture is accompanied by compression induced failure in the superior cortex of the femoral neck. <i>Bone</i> , 2018, 108, 121-131.	1.4	16
89	An ex vivo biomechanical comparison of a novel vertebral compression fracture treatment system to kyphoplasty. <i>Clinical Biomechanics</i> , 2012, 27, 346-353.	0.5	15
90	Relating Histopathology and Mechanical Strain in Experimental Contusion Spinal Cord Injury in a Rat Model. <i>Journal of Neurotrauma</i> , 2016, 33, 1685-1695.	1.7	15

#	ARTICLE	IF	CITATIONS
91	On the Failure Initiation in the Proximal Human Femur Under Simulated Sideways Fall. <i>Annals of Biomedical Engineering</i> , 2018, 46, 270-283.	1.3	15
92	Retrospective Assessment of Occupational Exposure to Whole-Body Vibration for a Case-Control Study. <i>Journal of Occupational and Environmental Hygiene</i> , 2012, 9, 371-380.	0.4	13
93	Subject-specific ex vivo simulations for hip fracture risk assessment in sideways falls. <i>Bone</i> , 2019, 125, 36-45.	1.4	13
94	Load Transfer Characteristics Between Posterior Spinal Implants and the Lumbar Spine Under Anterior Shear Loading. <i>Spine</i> , 2012, 37, E1126-E1133.	1.0	12
95	Title is missing!. <i>Journal of Rehabilitation Research and Development</i> , 2008, 45, 1280.	1.6	12
96	A New Biofidelic Sagittal Plane Surrogate Neck for Head-First Impacts. <i>Traffic Injury Prevention</i> , 2010, 11, 309-319.	0.6	11
97	An In Vitro Model of Degenerative Lumbar Spondylolisthesis. <i>Spine</i> , 2013, 38, E870-E877.	1.0	11
98	Cervical Vertebral Realignment When Voluntarily Adopting a Protective Neck Posture. <i>Spine</i> , 2014, 39, E885-E893.	1.0	10
99	In Vivo Measurement of Cervical Spinal Cord Deformation During Traumatic Spinal Cord Injury in a Rodent Model. <i>Annals of Biomedical Engineering</i> , 2016, 44, 1285-1298.	1.3	10
100	The effect of lateral eccentricity on failure loads, kinematics, and canal occlusions of the cervical spine in axial loading. <i>Journal of Biomechanics</i> , 2014, 47, 1164-1172.	0.9	9
101	Quantifying the internal deformation of the rodent spinal cord during acute spinal cord injury – the validation of a method. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2016, 19, 386-395.	0.9	9
102	A neck compression injury criterion incorporating lateral eccentricity. <i>Scientific Reports</i> , 2020, 10, 7114.	1.6	9
103	Development of a novel, sensitive translational immunoassay to detect plasma glial fibrillary acidic protein (GFAP) after murine traumatic brain injury. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 58.	3.0	9
104	Mechanical indicators of injury severity are decreased with increased thecal sac dimension in a bench-top model of contusion type spinal cord injury. <i>Journal of Biomechanics</i> , 2012, 45, 1003-1010.	0.9	8
105	Cervical spine injuries and flexibilities following axial impact with lateral eccentricity. <i>European Spine Journal</i> , 2015, 24, 136-147.	1.0	8
106	Technique and preliminary findings for in vivo quantification of brain motion during injurious head impacts. <i>Journal of Biomechanics</i> , 2019, 95, 109279.	0.9	8
107	Damage Identification on Vertebral Bodies During Compressive Loading Using Digital Image Correlation. <i>Spine</i> , 2017, 42, E1289-E1296.	1.0	7
108	Duraplasty in Traumatic Thoracic Spinal Cord Injury: Impact on Spinal Cord Hemodynamics, Tissue Metabolism, Histology, and Behavioral Recovery Using a Porcine Model. <i>Journal of Neurotrauma</i> , 2021, 38, 2937-2955.	1.7	7

#	ARTICLE	IF	CITATIONS
109	High-Speed Fluoroscopy to Measure Dynamic Spinal Cord Deformation in an <i>In Vivo</i> Rat Model. <i>Journal of Neurotrauma</i> , 2018, 35, 2572-2580.	1.7	6
110	Skiing and snowboarding head injury: A retrospective centre-based study and implications for helmet test standards. <i>Clinical Biomechanics</i> , 2020, 73, 122-129.	0.5	6
111	Biomechanical Aspects of Spinal Cord Injury. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2010, , 159-180.	0.7	5
112	The neutral posture of the cervical spine is not unique in human subjects. <i>Journal of Biomechanics</i> , 2018, 80, 53-62.	0.9	5
113	A novel helmet-mounted device for reducing the potential of catastrophic cervical spine fractures and spinal cord injuries in head-first impacts. <i>Clinical Biomechanics</i> , 2019, 64, 22-27.	0.5	5
114	Head and Neck Injury Potential With and Without Helmets During Head-First Impacts on Snow. , 2012, , 235-249.		5
115	Shear force measurements on low- and high-stiffness posterior fusion devices. <i>Medical Engineering and Physics</i> , 2012, 34, 1260-1267.	0.8	4
116	Characterization of the behavior of a novel low-stiffness posterior spinal implant under anterior shear loading on a degenerative spinal model. <i>European Spine Journal</i> , 2015, 24, 775-82.	1.0	4
117	The effect of disc degeneration on anterior shear translation in the lumbar spine. <i>Journal of Orthopaedic Research</i> , 2015, 33, 450-457.	1.2	4
118	Development of an Advanced Football Helmet to Provide Increased Protection against Concussion. , 2014, , 84-101.		4
119	Prophylactic augmentation implants in the proximal femur for hip fracture prevention: An in silico investigation of simulated sideways fall impacts. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 126, 104957.	1.5	4
120	Incorporating neck biomechanics in helmet testing: Evaluation of commercially available WaveCel helmets. <i>Clinical Biomechanics</i> , 2022, 94, 105628.	0.5	4
121	Musculature Actuation and Biomechanics of the Spine. , 2006, , 99-143.		3
122	Ice hockey shoulder pad design and the effect on head response during shoulder-to-head impacts. <i>Sports Biomechanics</i> , 2016, 15, 385-396.	0.8	3
123	Shear stiffness in the lower cervical spine: Effect of sequential posterior element injury. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2020, 234, 141-147.	1.0	3
124	Neck Muscle and Head/Neck Kinematic Responses While Bracing Against the Steering Wheel During Front and Rear Impacts. <i>Annals of Biomedical Engineering</i> , 2021, 49, 1069-1082.	1.3	3
125	The Effect of Compression Applied Through Constrained Lateral Eccentricity on the Failure Mechanics and Flexibility of the Human Cervical Spine. <i>Journal of Biomechanical Engineering</i> , 2020, 142, .	0.6	3
126	Perspective: Protecting the neck. <i>Nature</i> , 2013, 503, S13-S13.	13.7	2



#	ARTICLE	IF	CITATIONS
127	Moment Measurements in Dynamic and Quasi-Static Spine Segment Testing Using Eccentric Compression are Susceptible to Artifacts Based on Loading Configuration. <i>Journal of Biomechanical Engineering</i> , 2014, 136, 124505.	0.6	2
128	Optical monitoring of spinal cord hemodynamics, a feasibility study. , 2017, , .		2
129	The Lack of Sex, Age, and Anthropometric Diversity in Neck Biomechanical Data. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 684217.	2.0	2
130	The diagnostic precision of computed tomography for traumatic cervical spine injury: An in vitro biomechanical investigation. <i>Clinical Biomechanics</i> , 2021, 92, 105529.	0.5	2
131	An Automated Kinematic Measurement System for Sagittal Plane Murine Head Impacts. <i>Journal of Biomechanical Engineering</i> , 2020, 142, .	0.6	1
132	Comparison of wheelchair wheels in terms of vibration and spasticity in people with spinal cord injury. <i>Journal of Rehabilitation Research and Development</i> , 2008, 45, 1269-79.	1.6	1
133	Improvement of spine implant performance through analysis of retrieved implants: preliminary results. , 0, , .		0
134	The Clinical Performance of UHMWPE in the Spine. , 2004, , 219-243.		0
135	BIOMECHANICAL EVALUATION OF INTERVERTEBRAL DISCS FOLLOWING A BURST FRACTURE. <i>Journal of Musculoskeletal Research</i> , 2008, 11, 97-106.	0.1	0
136	In Vitro Nonlinear Viscoelastic Characterization of the Porcine Spinal Cord. , 2013, , .		0
137	Reply: The effect of disc degeneration on anterior shear translation in the lumbar spine. <i>Journal of Orthopaedic Research</i> , 2016, 34, 730-731.	1.2	0
138	Radiography used to measure internal spinal cord deformation in an in vivo rat model. <i>Journal of Biomechanics</i> , 2018, 71, 286-290.	0.9	0
139	The effect of end condition on spine segment biomechanics in compression with lateral eccentricity. <i>Journal of Biomechanics</i> , 2021, 128, 110617.	0.9	0
140	Anteroposterior shear stiffness of the upper thoracic spine at quasi-static and dynamic loading ratesâ€”An in vitro biomechanical study. <i>Journal of Orthopaedic Research</i> , 2021, , .	1.2	0