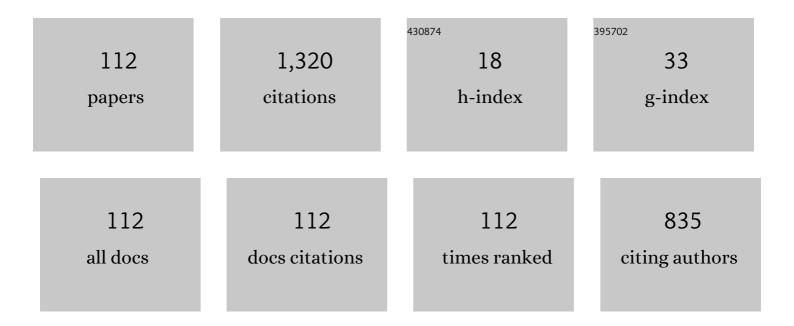
List of Publications by Year in descending order

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Εσληγ Δ Ρινιτλά

#	Article	IF	CITATIONS
1	Contribution of disc degeneration to osteophyte formation in the cervical spine: a biomechanical investigation. Journal of Orthopaedic Research, 2001, 19, 977-984.	2.3	175
2	Directed and enhanced neurite growth with pulsed magnetic field stimulation. Bioelectromagnetics, 2000, 21, 272-286.	1.6	95
3	Effect of Age and Loading Rate on Human Cervical Spine Injury Threshold. Spine, 1998, 23, 1957-1962.	2.0	91
4	Development of Side Impact Thoracic Injury Criteria and Their Application to the Modified ES-2 Dummy with Rib Extensions (ES-2re). Stapp Car Crash Journal, 2003, 47, 189-210.	1.1	79
5	Biomechanical Alterations Induced by Multilevel Cervical Laminectomy. Spine, 1995, 20, 2392-2397.	2.0	50
6	Level-Dependent Coronal and Axial Moment-Rotation Corridors of Degeneration-Free Cervical Spines in Lateral Flexion. Journal of Bone and Joint Surgery - Series A, 2007, 89, 1066-1074.	3.0	49
7	Strength and Kinematic Response of Dynamic Cervical Spine Injuries. Spine, 1991, 16, S511-S517.	2.0	45
8	Deriving injury risk curves using survival analysis from biomechanical experiments. Journal of Biomechanics, 2016, 49, 3260-3267.	2.1	36
9	Optimized Lower Leg Injury Probability Curves From Postmortem Human Subject Tests Under Axial Impacts. Traffic Injury Prevention, 2014, 15, S151-S156.	1.4	34
10	Comparison of PMHS, WorldSID, and THOR-NT responses in simulated far side impact. Stapp Car Crash Journal, 2007, 51, 313-60.	1.1	33
11	Cervical spine injury biomechanics: Applications for under body blast loadings in military environments. Clinical Biomechanics, 2013, 28, 602-609.	1.2	31
12	Vertical accelerator device to apply loads simulating blast environments in the military to human surrogates. Journal of Biomechanics, 2015, 48, 3534-3538.	2.1	30
13	Foot–Ankle Fractures and Injury Probability Curves from Post-mortem Human Surrogate Tests. Annals of Biomedical Engineering, 2016, 44, 2937-2947.	2.5	30
14	Normalizing and scaling of data to derive human response corridors from impact tests. Journal of Biomechanics, 2014, 47, 1749-1756.	2.1	29
15	Behavioral Outcomes Differ between Rotational Acceleration and Blast Mechanisms of Mild Traumatic Brain Injury. Frontiers in Neurology, 2016, 7, 31.	2.4	29
16	Male and Female Cervical Spine Biomechanics and Anatomy: Implication for Scaling Injury Criteria. Journal of Biomechanical Engineering, 2017, 139, .	1.3	24
17	Effects of Blast Overpressure on Neurons and Glial Cells in Rat Organotypic Hippocampal Slice Cultures. Frontiers in Neurology, 2015, 6, 20.	2.4	23
18	Lower Leg Injury Reference Values and Risk Curves from Survival Analysis for Male and Female Dummies: Meta-analysis of Postmortem Human Subject Tests. Traffic Injury Prevention, 2015, 16, S100-S107.	1.4	23

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19	Level-Dependent Coronal and Axial Moment-Rotation Corridors of Degeneration-Free Cervical Spines in Lateral Flexion. Journal of Bone and Joint Surgery - Series A, 2007, 89, 1066-1074.	3.0	21
20	Load-Based Lower Neck Injury Criteria for Females from Rear Impact from Cadaver Experiments. Annals of Biomedical Engineering, 2017, 45, 1194-1203.	2.5	19
21	Role of disc area and trabecular bone density on lumbar spinal column fracture risk curves under vertical impact. Journal of Biomechanics, 2018, 72, 90-98.	2.1	19
22	Effects of acceleration level on lumbar spine injuries in military populations. Spine Journal, 2015, 15, 1318-1324.	1.3	18
23	Biomechanical tolerance of whole lumbar spines in straightened posture subjected to axial acceleration. Journal of Orthopaedic Research, 2018, 36, 1747-1756.	2.3	18
24	Lumbar spine endplate fractures: Biomechanical evaluation and clinical considerations through experimental induction of injury. Journal of Orthopaedic Research, 2016, 34, 1084-1091.	2.3	16
25	Finite Element Study of a Lumbar Intervertebral Disc Nucleus Replacement Device. Frontiers in Bioengineering and Biotechnology, 2016, 4, 93.	4.1	15
26	Evaluation of kinematics and injuries to restrained occupants in far-side crashes using full-scale vehicle and human body models. Traffic Injury Prevention, 2016, 17, 116-123.	1.4	14
27	Forces and moments in cervical spinal column segments in frontal impacts using finite element modeling and human cadaver tests. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 90, 681-688.	3.1	14
28	A methodology to condition distorted acoustic emission signals to identify fracture timing from human cadaver spine impact tests. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 40, 156-160.	3.1	13
29	Biomechanics of human thoracolumbar spinal column trauma from vertical impact loading. Annals of Advances in Automotive Medicine, 2013, 57, 155-66.	0.6	13
30	Dynamic Responses of Intact Post Mortem Human Surrogates from Inferior-to-Superior Loading at the Pelvis. Stapp Car Crash Journal, 2014, 58, 123-43.	1.1	13
31	Cervical spine injuries, mechanisms, stability and AIS scores from vertical loading applied to military environments. European Spine Journal, 2016, 25, 2193-2201.	2.2	10
32	Foot-ankle complex injury risk curves using calcaneus bone mineral density data. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 72, 246-251.	3.1	10
33	Role of age and injury mechanism on cervical spine injury tolerance from head contact loading. Traffic Injury Prevention, 2018, 19, 165-172.	1.4	10
34	Facial Fractures in Motor Vehicle Collisions. Archives of Facial Plastic Surgery, 2009, 11, 165-170.	0.7	9
35	An Experimental Technique to Induce and Quantify Complex Cyclic Forces to the Lumbar Spine. Neurosurgery, 1995, 36, 956-964.	1.1	8
36	Wire Fixation Techniques of the Cervical Facets. Spine, 1997, 22, 970-975.	2.0	8

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#	Article	IF	CITATIONS
37	Biomechanical Mechanisms of Whiplash Injury. Traffic Injury Prevention, 2002, 3, 98-104.	1.4	8
38	Prediction of Post-Concussive Behavioral Changes in a Rodent Model Based on Head Rotational Acceleration Characteristics. Annals of Biomedical Engineering, 2016, 44, 3252-3265.	2.5	8
39	Acoustic Emission Signatures During Failure of Vertebra and Long Bone. Annals of Biomedical Engineering, 2017, 45, 1520-1533.	2.5	8
40	Oblique Loading in Post Mortem Human Surrogates from Vehicle Lateral Impact Tests using Chestbands. Stapp Car Crash Journal, 2015, 59, 1-22.	1.1	8
41	Initial analysis of archived non-human primate frontal and rear impact data from the biodynamics data resource. Traffic Injury Prevention, 2018, 19, S44-S49.	1.4	7
42	Instrumented artificial spinal cord for human cervical pressure measurement. Bio-Medical Materials and Engineering, 1996, 6, 219-229.	0.6	6
43	Dynamic Bending Tolerance of the Human Forearm. Traffic Injury Prevention, 2002, 3, 43-48.	1.4	6
44	The Influence of Enhanced Side Impact Protection on Kinematics and Injury Measures of Far- or Center-Seated Children in Forward-Facing Child Restraints. Traffic Injury Prevention, 2015, 16, S9-S15.	1.4	6
45	Protection of children in forward-facing child restraint systems during oblique side impact sled tests: Intrusion and tether effects. Traffic Injury Prevention, 2016, 17, 156-162.	1.4	6
46	Three-dimensional kinematic corridors of the head, spine, and pelvis for small female driver seat occupants in near- and far-side oblique frontal impacts. Traffic Injury Prevention, 2018, 19, S64-S69.	1.4	6
47	Development of a Methodology for Simulating Complex Head Impacts With the Advanced Combat Helmet. Military Medicine, 2019, 184, 237-244.	0.8	6
48	Biomechanics of Lumbar Motion-Segments in Dynamic Compression. Stapp Car Crash Journal, 2017, 61, 1-25.	1.1	6
49	Comparison of NOCSAE head kinematics using the Hybrid III and EuroSID-2 necks. Journal of Biomechanics, 2018, 80, 37-44.	2.1	5
50	THOR dummy chest deflection response in oblique and lateral far-side sled tests. Traffic Injury Prevention, 2019, 20, S32-S37.	1.4	5
51	Oblique lateral impact biofidelity deflection corridors from Post Mortem Human Surrogates. Stapp Car Crash Journal, 2013, 57, 427-40.	1.1	5
52	Responses and Injuries to PMHS in Side-Facing and Oblique Seats in Horizontal Longitudinal Sled Tests per FAA Emergency Landing Conditions. Stapp Car Crash Journal, 2016, 60, 135-163.	1.1	5
53	Biomechanics of Pediatric Cervical Spine: Compression, Flexion and Extension Responses. Traffic Injury Prevention, 2000, 2, 87-101.	0.5	4
54	Methodology to Study Attenuation of a Blast Wave Through the Cranium. , 2011, , .		4

Methodology to Study Attenuation of a Blast Wave Through the Cranium. , 2011, , . 54

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#	Article	IF	CITATIONS
55	Posterior cervical spine crisscross fixation: Biomechanical evaluation. Clinical Biomechanics, 2018, 55, 18-22.	1.2	4
56	Factors influencing the effectiveness of occupant retention under far-side impacts: A parametric study. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 84, 235-248.	3.1	4
57	Trabecular bone mineral density correlations using QCT: Central and peripheral human skeleton. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 112, 104076.	3.1	4
58	An Improved Method for Developing Injury Risk Curves Using the Brier Metric Score. Annals of Biomedical Engineering, 2021, 49, 3091-3098.	2.5	4
59	Finite Element Analysis of Penetrating Head Injury. , 2003, , 193.		3
60	Influence of ATD versus PMHS reference sensor inputs on computational brain response in frontal impacts to advanced combat helmet (ACH). Traffic Injury Prevention, 2018, 19, S159-S161.	1.4	3
61	Pelvis injury risk curves in side impacts from human cadaver experiments using survival analysis and Brier score metrics. Traffic Injury Prevention, 2019, 20, S137-S142.	1.4	3
62	Comparison of AIS 1990 update 98 versus AIS 2005 for describing PMHS injuries in lateral and oblique sled tests. Annals of Advances in Automotive Medicine, 2013, 57, 197-208.	0.6	3
63	Injury Risk Curves for the Human Cervical Spine from Inferior-to-Superior Loading. Stapp Car Crash Journal, 2018, 62, 271-292.	1.1	3
64	Finite Element Study of the Human Cervical Spine. , 1997, , .		3
65	An Examination of Isolated and Interaction-Based Biomechanical Metrics for Potential Lower Neck Injury Criteria. , 2015, , .		2
66	Preliminary female cervical spine injury risk curves from PMHS tests. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 83, 143-147.	3.1	2
67	Rotational Acceleration Duration Affects Brain Strains in Lateral Impact. , 2007, , .		2
68	Biomechanical Implications of Gender-Dependent Muscle Locations. , 2008, , .		2
69	Worldsid assessment of far side impact countermeasures. Annual Proceedings, 2006, 50, 199-219.	0.2	2
70	Bone Mineral Density of Cervical Spine Vertebrae Using Quantitative Computed Tomography. , 2004, , 229.		1
71	Experimental Study on Non-Exit Ballistic Induced Traumatic Brain Injury. , 2007, , .		1
72	Rate-Dependent Failure Characteristics of Thoraco-Lumbar Vertebrae: Application to the Military Environment. , 2012, , .		1

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#	Article	IF	CITATIONS
73	Response to Letter to the Editor on "Deriving injury risk curves using survival analysis from biomechanical experiments", Journal of Biomechanics (in press). Journal of Biomechanics, 2017, 52, 189-190.	2.1	1
74	The influence of child restraint lower attachment method on protection offered by forward facing child restraint systems in oblique loading conditions. Traffic Injury Prevention, 2018, 19, S139-S145.	1.4	1
75	A Novel Competing Risk Analysis Model to Determine the Role of Cervical Lordosis in Bony and Ligamentous Injuries. World Neurosurgery, 2018, 119, e962-e967.	1.3	1
76	"A method to measure predictive ability of an injury risk curve using an observation-adjusted area under the receiver operating characteristic curve―by A.M. Baker, F.C. Hsu, F.S. Gayzik (2018). Journal of Biomechanics, 2020, 100, 109087.	2.1	1
77	Pelvic Injury Risk Curves for the Military Populations From Lateral Impact. Military Medicine, 2021, 186, 424-429.	0.8	1
78	Determination of Diffuse Brain Injury Thresholds Using Retrospective Analysis. , 2007, , .		1
79	Injury patterns to other body regions and load vectors in nearside impact occupants with and without shoulder injuries. Annals of Advances in Automotive Medicine, 2013, 57, 133-44.	0.6	1
80	Facet Joint Local Component Kinetics in Whiplash Trauma. , 1997, , .		1
81	Biodynamics of Cervical Spine Hyperflexion Injuries. , 1997, , .		1
82	Repeated measures analysis of projectile penetration in porcine legs as a function of storage condition. Journal of Clinical Forensic and Legal Medicine, 2022, 90, 102395.	1.0	1
83	Effect of Head Restraint Position and Neck Injury Criteria in Rear Impact. , 2002, , 329.		0
84	Analysis of Penetrating Head Impact. , 2004, , 257.		0
85	Posterolateral Chest Deformations From Seat-Mounted Side Airbag Deployments. , 2009, , .		Ο
86	Lumbar Spinal Mechanics in Pure Bending: Influence of Gender, Spinal Level, and Degeneration Grade. , 2009, , .		0
87	A Finite Element Study of Blast Overpressure on the Skull With and Without Helmet. , 2010, , .		Ο
88	Effects of Treatment for Cervical Disc Degenerative Disease in Military Populations. , 2011, , .		0
89	Unilateral atlanto-axial fractures in near side impact collisions: An under recognized entity in cervical trauma. Journal of Craniovertebral Junction and Spine, 2014, 5, 33.	0.8	Ο
90	Age-Infusion Approach to Derive Injury Risk Curves for Dummies from Human Cadaver Tests. Frontiers in Bioengineering and Biotechnology, 2015, 3, 196.	4.1	0

#	Article	IF	CITATIONS
91	Non-Destructive and Failure Responses of Cervical Spine Artificial Disc Surgery for Military Applications. , 2016, , .		0
92	Ranking of Biomechanical Metrics to Describe Human Response to Impact-Induced Damage. , 2018, , .		0
93	Novel learning framework (knockoff technique) to evaluate metric ranking algorithms to describe human response to injury. Traffic Injury Prevention, 2018, 19, S121-S126.	1.4	0
94	Segmental Cervical Spine Kinematics Due to Posteroanterior Impact Acceleration. , 2002, , .		0
95	Effects of Vertebral Body Changes on Cervical Spine Load Sharing. , 2002, , .		0
96	Occupant Extrication in Vehicular Crashes: NASS and CIREN Analyses. , 2003, , .		0
97	Spinal Posture Affects Whiplash Biomechanics. , 2003, , .		0
98	Effects of Thoracic Ramping on Whiplash Kinematics. , 2004, , .		0
99	Gender Specific Material Properties in the Thoracic Spine. , 2007, , .		0
100	Three-Dimensional Segmental Coupling Responses of the Cervical Spine. , 2008, , .		0
101	Translational and Rotational Head Kinematics in Side Impact. , 2009, , .		Ο
102	Block-Fixation Finite Element Lumbar Spine Model to Examine Load-Sharing, Bone-Screw Interaction, and Stress in Carbon Fiber Reinforced PEEK Construct. , 2009, , .		0
103	Are Pure Lateral Chest Deflections a Hallmark for Side Airbag Boundary Condition?. , 2010, , .		Ο
104	Experimental Induction of Lumbar Spine Compression-Flexion Injuries. , 2010, , .		0
105	A Thoraco-Abdominal Model for Visceral Response to Experimentally Measured Deformations. , 2011, , .		Ο
106	Level- and Region-Specific Properties of Young Human Lumbar Annulus. , 2011, , .		0
107	Sensitivity of Cervical Spine Finite Element Model to Material Property Variations. , 1997, , .		Ο
108	Geriatric Cervical Spine Biomechanics: Effect of Degeneration Severity on Biomechanical Response. , 1998, , .		0

#	Article	IF	CITATIONS
109	Development of a Biomechanically Analogous Cervical Spine Physical Model. , 1998, , .		0
110	Regional Load Sharing in Cervical Spine Intervertebral Disc. , 1998, , .		0
111	Dynamic Bending Strength of the Human Forearm. , 1998, , .		0
112	Continuous Static and Dynamic Moment-Rotation Curves of the Human Cervical Intervertebral Joint. , 1998, , .		0