

Carlos Arregui-Dalmases

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7510292/publications.pdf>

Version: 2024-02-01

13
papers

215
citations

1163117

8
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

273
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractal dimension and mechanical properties of human cortical bone. Medical Engineering and Physics, 2013, 35, 576-582.	1.7	49
2	Pedestrian injuries in eight European countries: An analysis of hospital discharge data. Accident Analysis and Prevention, 2010, 42, 1164-1171.	5.7	39
3	Assessment of pedestrian head impact dynamics in small sedan and large SUV collisions. International Journal of Crashworthiness, 2012, 17, 243-258.	1.9	24
4	Indentation response of human patella with elastic modulus correlation to localized fractal dimension and bone mineral density. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 33, 99-108.	3.1	20
5	A Parametric Study of Hard Tissue Injury Prediction Using Finite Elements: Consideration of Geometric Complexity, Subfailure Material Properties, CT-Thresholding, and Element Characteristics. Traffic Injury Prevention, 2010, 11, 286-293.	1.4	13
6	Injury pattern in lethal motorbikes-pedestrian collisions, in the area of Barcelona, Spain. Journal of Clinical Forensic and Legal Medicine, 2016, 43, 80-84.	1.0	13
7	Prediction of mechanical properties of human rib cortical bone using fractal dimension. Computer Methods in Biomechanics and Biomedical Engineering, 2021, 24, 506-516.	1.6	13
8	Innovative passive and active countermeasures for near side crash safety. International Journal of Crashworthiness, 2014, 19, 209-221.	1.9	10
9	Influence of anthropometric variables on the mechanical properties of human rib cortical bone. Biomedical Physics and Engineering Express, 2021, 7, 035013.	1.2	8
10	Mechanical Behavior of Blood Vessels: Elastic and Viscoelastic Contributions. Biology, 2021, 10, 831.	2.8	8
11	Viscoelastic Characterization of Parasagittal Bridging Veins and Implications for Traumatic Brain Injury: A Pilot Study. Bioengineering, 2021, 8, 145.	3.5	8
12	A Review of Pelvic Fractures in Adult Pedestrians: Experimental Studies Involving PMHS Used to Determine Injury Criteria for Pedestrian Dummies and Component Test Procedures. Traffic Injury Prevention, 2015, 16, 62-69.	1.4	7
13	Pedestrian head injury biomechanics and damage mechanism. Pedestrian protection automotive regulation assessment. Neurocirug�a (English Edition), 2017, 28, 41-46.	0.2	2