

Carlos Arregui-Dalmases

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

215
citations

1163117

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1058476

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docs citations

14
times ranked

273
citing authors

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