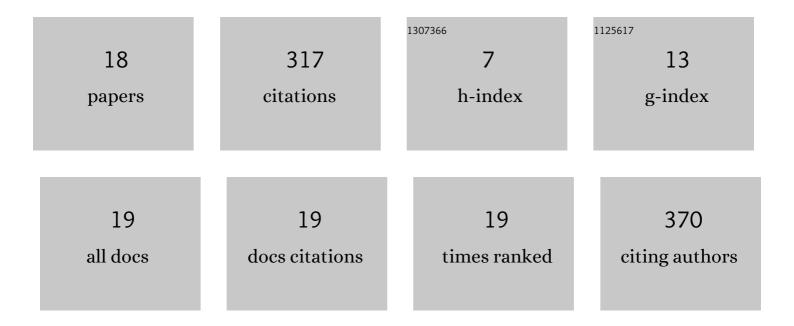
Juan Antonio Peña

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	On the Mullins effect and hysteresis of fibered biological materials: A comparison between continuous and discontinuous damage models. International Journal of Solids and Structures, 2009, 46, 1727-1735.	1.3	78
2	On modelling nonlinear viscoelastic effects in ligaments. Journal of Biomechanics, 2008, 41, 2659-2666.	0.9	66
3	Layer-specific residual deformations and uniaxial and biaxial mechanical properties of thoracic porcine aorta. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 50, 55-69.	1.5	63
4	A formulation to model the nonlinear viscoelastic properties of the vascular tissue. Acta Mechanica, 2011, 217, 63-74.	1.1	40
5	Over length quantification of the multiaxial mechanical properties of the ascending, descending and abdominal aorta using Digital Image Correlation. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 77, 434-445.	1.5	26
6	Failure damage mechanical properties of thoracic and abdominal porcine aorta layers and related constitutive modeling: phenomenological and microstructural approach. Biomechanics and Modeling in Mechanobiology, 2019, 18, 1709-1730.	1.4	17
7	Unraveling the multilayer mechanical response of aorta using layer-specific residual stresses and experimental properties. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 113, 104070.	1.5	8
8	Analysis of the accuracy on computing nominal stress in a biaxial test for arteries. Strain, 2020, 56, e12331.	1.4	7
9	Experiments and Constitutive Model for Deep and Superficial Fascia. Digital Image Correlation and Finite Element Validation. Strain, 2016, 52, 436-445.	1.4	5
10	Well Planned Obsolescence and the Eco-Design. Lecture Notes in Mechanical Engineering, 2019, , 74-84.	0.3	2
11	Comparative Analysis of Ecodesign in the Design and Manufacturing Methods for Mechanical Parts Made of Nylon PA6. Lecture Notes in Mechanical Engineering, 2020, , 40-48.	0.3	2
12	Evolutive 3D Modeling: A Proposal for a New Generative Design Methodology. Symmetry, 2021, 13, 338.	1.1	1
13	Biomechanical characterization and constitutive modeling of the layer-dissected residual strains and mechanical properties of abdominal porcine aorta. Journal of Biomechanics, 2022, 132, 110909.	0.9	1
14	Mechanical and Microstructural Behavior of Vascular Tissue. , 2019, , 63-78.		0
15	Methodology for the 3D Reconstruction of Industrials Facilities Using Photogrammetry. Lecture Notes in Mechanical Engineering, 2019, , 225-234.	0.3	0
16	3D Organic Modeling Using Hybrid Techniques with Polygons. Lecture Notes in Mechanical Engineering, 2019, , 263-271.	0.3	0
17	Study of the influence of impact velocity and angle of impact against a motorcyclists´ protection systems design and neural damage sustained using numerical methods. International Journal of Crashworthiness, 2019, 24, 171-183.	1.1	0
18	ENSAYOS EXPERIMENTALES A ESCALA REAL DE GENERADORES DE VORTICIDAD PARA REDUCIR EL COEFICIENTE AERODINAMICO EN VEHICULOS PESADOS. Dyna (Spain), 2018, 93, 96-101.	0.1	0