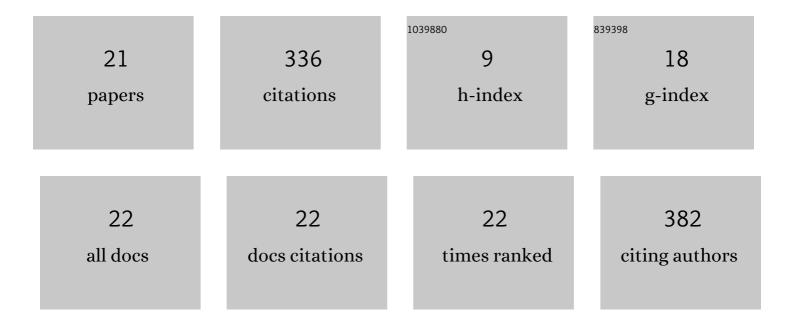
Pablo Saez Viñas

List of Publications by Year in descending order

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PARIO SAFZ VIÃ+AS

#	Article	IF	CITATIONS
1	On the use of the Bingham statistical distribution in microsphere-based constitutive models for arterial tissue. Mechanics Research Communications, 2010, 37, 700-706.	1.0	48
2	Computational modeling of hypertensive growth in the human carotid artery. Computational Mechanics, 2014, 53, 1183-1196.	2.2	41
3	Microstructural quantification of collagen fiber orientations and its integration in constitutive modeling of the porcine carotid artery. Acta Biomaterialia, 2016, 33, 183-193.	4.1	40
4	Anisotropic microsphere-based approach to damage in soft fibered tissue. Biomechanics and Modeling in Mechanobiology, 2012, 11, 595-608.	1.4	37
5	Mathematical modeling of collagen turnover in biological tissue. Journal of Mathematical Biology, 2013, 67, 1765-1793.	0.8	24
6	Computational modeling of acute myocardial infarction. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 1107-1115.	0.9	24
7	Bulging Brains. Journal of Elasticity, 2017, 129, 197-212.	0.9	24
8	A Structural Approach Including the Behavior of Collagen Cross-Links to Model Patient-Specific Human Carotid Arteries. Annals of Biomedical Engineering, 2014, 42, 1158-1169.	1.3	22
9	Mechanics Reveals the Biological Trigger in Wrinkly Fingers. Annals of Biomedical Engineering, 2017, 45, 1039-1047.	1.3	15
10	Computational modeling of epithelial wound healing: Short and long term chemo-mechanical mechanisms. Computer Methods in Applied Mechanics and Engineering, 2019, 350, 28-56.	3.4	10
11	A theoretical model of the endothelial cell morphology due to different waveforms. Journal of Theoretical Biology, 2015, 379, 16-23.	0.8	8
12	On the Theories and Numerics of Continuum Models for Adaptation Processes in Biological Tissues. Archives of Computational Methods in Engineering, 2016, 23, 301-322.	6.0	8
13	Computational model of collagen turnover in carotid arteries during hypertension. International Journal for Numerical Methods in Biomedical Engineering, 2015, 31, e02705.	1.0	7
14	Hierarchical micro-adaptation of biological structures by mechanical stimuli. International Journal of Solids and Structures, 2013, 50, 2353-2370.	1.3	6
15	A complementary energy approach accommodates scale differences in soft tissues. Journal of the Mechanics and Physics of Solids, 2020, 138, 103895.	2.3	5
16	An Anisotropic Microsphere-Based Approach for Fiber Orientation Adaptation in Soft Tissue. IEEE Transactions on Biomedical Engineering, 2011, 58, 3500-3503.	2.5	4
17	Topological features dictate the mechanics of the mammalian brains. International Journal of Mechanical Sciences, 2020, 187, 105914.	3.6	4
18	Towards the modelling of ageing and atherosclerosis effects in ApoE-/- mice aortic tissue. Journal of Biomechanics, 2016, 49, 2390-2397.	0.9	3

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#	Article	IF	CITATIONS
19	Fully coupled numerical model of actin treadmilling in the lamellipodium of the cell. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e3143.	1.0	3
20	Mechanotransmission of haemodynamic forces by the endothelial glycocalyx in a full-scale arterial model. Royal Society Open Science, 2019, 6, 190607.	1.1	3
21	Mechanical and Microstructural Behavior of Vascular Tissue. , 2019, , 63-78.		0