MarlÃ¨ne Mengoni

List of Publications by Year
in descending order

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23	226	1162889	1058333
papers	citations	8	14
		h-index	g-index

24	24	24	257
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Using inverse finite element analysis to identify spinal tissue behaviour in situ. Methods, 2021, 185, 105-109.	1.9	4
2	Biomechanical modelling of the facet joints: a review of methods and validation processes in finite element analysis. Biomechanics and Modeling in Mechanobiology, 2021, 20, 389-401.	1.4	21
3	Experimental and Computational Comparison of Intervertebral Disc Bulge for Specimen-Specific Model Evaluation Based on Imaging. Frontiers in Bioengineering and Biotechnology, 2021, 9, 661469.	2.0	5
4	Morphological variation of the hemophilic talus. Clinical Anatomy, 2021, 34, 941-947.	1.5	1
5	Review of in vitro mechanical testing for intervertebral disc injectable biomaterials. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 123, 104703.	1.5	7
6	Estimating tissue-level properties of porcine talar subchondral bone. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 110, 103931.	1.5	4
7	Stiffness of subchondral bone of grafts and defect site in osteochondral repair influences stability of repair. Osteoarthritis and Cartilage, 2019, 27, S160.	0.6	0
8	Examination of an in vitro methodology to evaluate the biomechanical performance of nucleus augmentation in axial compression. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2018, 232, 230-240.	1.0	4
9	Patient-specific parameterised cam geometry in finite element models of femoroacetabular impingement of the hip. Clinical Biomechanics, 2018, 54, 62-70.	0.5	7
10	Threeâ€dimensional assessment of impingement risk in geometrically parameterised hips compared with clinical measures. International Journal for Numerical Methods in Biomedical Engineering, 2017, 33, e2867.	1.0	6
11	Methodology to Produce Specimen-Specific Models of Vertebrae: Application to Different Species. Annals of Biomedical Engineering, 2017, 45, 2451-2460.	1.3	10
12	Annulus fibrosus functional extrafibrillar and fibrous mechanical behaviour: experimental and computational characterisation. Royal Society Open Science, 2017, 4, 170807.	1.1	20
13	Subject-specific multi-validation of a finite element model of ovine cervical functional spinal units. Journal of Biomechanics, 2016, 49, 259-266.	0.9	10
14	Modelling the failure precursor mechanism of lamellar fibrous tissues, example of the annulus fibrosus. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 63, 265-272.	1.5	5
15	Prediction of the mechanical response of canine humerus to three-point bending using subject-specific finite element modelling. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2016, 230, 639-649.	1.0	7
16	Mesh management methods in finite element simulations of orthodontic tooth movement. Medical Engineering and Physics, 2016, 38, 140-147.	0.8	6
17	In-Silico Models of Trabecular Bone: A Sensitivity Analysis Perspective. Studies in Mechanobiology, Tissue Engineering and Biomaterials, 2016, , 393-423.	0.7	3
18	An enhanced version of a bone-remodelling model based on the continuum damage mechanics theory. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 1367-1376.	0.9	13

#	Article	IF	Citations
19	Derivation of inter-lamellar behaviour of the intervertebral disc annulus. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 48, 164-172.	1.5	41
20	EUROSPINE 2015 Copenhagen, Denmark, September 2 - 4. European Spine Journal, 2015, 24, 711-742.	1.0	2
21	A generic anisotropic continuum damage model integration scheme adaptable to both ductile damage and biological damage-like situations. International Journal of Plasticity, 2015, 66, 46-70.	4.1	28
22	A nonâ€linear homogeneous model for boneâ€like materials under compressive load. International Journal for Numerical Methods in Biomedical Engineering, 2012, 28, 273-287.	1.0	6
23	Isotropic continuum damage/repair model for alveolar bone remodeling. Journal of Computational and Applied Mathematics, 2010, 234, 2036-2045.	1.1	16