Anna Gustafsson

List of Publications by Year
in descending order

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Version: 2024-02-01

13	238	1040056	1125743
papers	citations	9	13
		h-index	g-index

14	14	14	230
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crack propagation in articular cartilage under cyclic loading using cohesive finite element modeling. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 131, 105227.	3.1	4
2	Phase field models of interface failure for bone application - evaluation of open-source implementations. Theoretical and Applied Fracture Mechanics, 2022, 121, 103432.	4.7	6
3	Subject-specific FE models of the human femur predict fracture path and bone strength under single-leg-stance loading. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 113, 104118.	3.1	19
4	Femoral strength and strains in sideways fall: Validation of finite element models against bilateral strain measurements. Journal of Biomechanics, 2021, 122, 110445.	2.1	10
5	The influence of microstructure on crack propagation in cortical bone at the mesoscale. Journal of Biomechanics, 2020, 112, 110020.	2.1	12
6	Elucidating failure mechanisms in human femurs during a fall to the side using bilateral digital image correlation. Journal of Biomechanics, 2020, 106, 109826.	2.1	18
7	Age-related properties at the microscale affect crack propagation in cortical bone. Journal of Biomechanics, 2019, 95, 109326.	2.1	19
8	Crack propagation in cortical bone is affected by the characteristics of the cement line: a parameter study using an XFEM interface damage model. Biomechanics and Modeling in Mechanobiology, 2019, 18, 1247-1261.	2.8	29
9	An interface damage model that captures crack propagation at the microscale in cortical bone using XFEM. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 90, 556-565.	3.1	29
10	Linking multiscale deformation to microstructure in cortical bone using in situ loading, digital image correlation and synchrotron X-ray scattering. Acta Biomaterialia, 2018, 69, 323-331.	8.3	29
11	Comparison of structural anisotropic soft tissue models for simulating Achilles tendon tensile behaviour. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 61, 431-443.	3.1	21
12	Strains caused by daily loading might be responsible for delayed healing of an incomplete atypical femoral fracture. Bone, 2016, 88, 125-130.	2.9	16
13	A Fibre-Reinforced Poroviscoelastic Model Accurately Describes the Biomechanical Behaviour of the Rat Achilles Tendon. PLoS ONE, 2015, 10, e0126869.	2.5	20