Osman GÃœltekÄ°n

List of Publications by Year
in descending order

10 papers	371 citations	1307366 7 h-index	1372474 10 g-index
12 all docs	12 docs citations	12 times ranked	421 citing authors

#	Article	IF	Citations
1	A phase-field approach to model fracture of arterial walls: Theory and finite element analysis. Computer Methods in Applied Mechanics and Engineering, 2016, 312, 542-566.	3.4	80
2	Numerical aspects of anisotropic failure in soft biological tissues favor energy-based criteria: A rate-dependent anisotropic crack phase-field model. Computer Methods in Applied Mechanics and Engineering, 2018, 331, 23-52.	3.4	73
3	An orthotropic viscoelastic model for the passive myocardium: continuum basis and numerical treatment. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 1647-1664.	0.9	59
4	An extended eight-chain model for hyperelastic and finite viscoelastic response of rubberlike materials: Theory, experiments and numerical aspects. Journal of the Mechanics and Physics of Solids, 2020, 145, 104159.	2.3	37
5	Computational modeling of progressive damage and rupture in fibrous biological tissues: application to aortic dissection. Biomechanics and Modeling in Mechanobiology, 2019, 18, 1607-1628.	1.4	36
6	A phase-field model for fracture of unidirectional fiber-reinforced polymer matrix composites. Computational Mechanics, 2020, 65, 1149-1166.	2.2	36
7	On the quasi-incompressible finite element analysis of anisotropic hyperelastic materials. Computational Mechanics, 2019, 63, 443-453.	2.2	34
8	A Brief Review on Computational Modeling of Rupture in Soft Biological Tissues. Computational Methods in Applied Sciences (Springer), 2018, , 113-144.	0.1	6
9	Phase-Field Models for the Failure of Anisotropic Continua. Proceedings in Applied Mathematics and Mechanics, 2017, 17, 91-94.	0.2	5
10	A quasi-incompressible and quasi-inextensible finite element analysis of fibrous soft biological tissues. Biomechanics and Modeling in Mechanobiology, 2020, 19, 2357-2373.	1.4	5