

Henry W Haslach

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

396
citations

933447

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752698

20
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26
all docs

26
docs citations

26
times ranked

421
citing authors

#	ARTICLE	IF	CITATIONS
1	The Moisture and Rate-Dependent Mechanical Properties of Paper: A Review. <i>Mechanics of Time-Dependent Materials</i> , 2000, 4, 169-210.	4.4	109
2	Nonlinear viscoelastic, thermodynamically consistent, models for biological soft tissue. <i>Biomechanics and Modeling in Mechanobiology</i> , 2005, 3, 172-189.	2.8	68
3	Fracture mechanics of shear crack propagation and dissection in the healthy bovine descending aortic media. <i>Acta Biomaterialia</i> , 2018, 68, 53-66.	8.3	26
4	Solidâ€œextracellular fluid interaction and damage in the mechanical response of rat brain tissue under confined compression. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 29, 138-150.	3.1	24
5	Crack Propagation and Its Shear Mechanisms in the Bovine Descending Aorta. <i>Cardiovascular Engineering and Technology</i> , 2015, 6, 501-518.	1.6	23
6	Geometric structure of the non-equilibrium thermodynamics of homogeneous systems. <i>Reports on Mathematical Physics</i> , 1997, 39, 147-162.	0.8	20
7	The Influence of Medial Substructures on Rupture in Bovine Aortas. <i>Cardiovascular Engineering and Technology</i> , 2011, 2, 372-387.	1.6	17
8	Influence of high deformation rate, brain region, transverse compression, and specimen size on rat brain shear stress morphology and magnitude. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 68, 88-102.	3.1	16
9	Time-dependent mechanisms in fracture of paper. <i>Mechanics of Time-Dependent Materials</i> , 2009, 13, 11.	4.4	15
10	Maximum dissipation evolution equations for non-linear thermoviscoelasticity. <i>International Journal of Non-Linear Mechanics</i> , 1999, 34, 361-385.	2.6	13
11	A nonlinear dynamical mechanism for bruit generation by an intracranial saccular aneurysm. <i>Journal of Mathematical Biology</i> , 2002, 45, 441-460.	1.9	9
12	Thermodynamically consistent, maximum dissipation, time-dependent models for non-equilibrium behavior. <i>International Journal of Solids and Structures</i> , 2009, 46, 3964-3976.	2.7	8
13	Transient solidâ€œfluid interactions in rat brain tissue under combined translational shear and fixed compression. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 48, 12-27.	3.1	7
14	Comparison of aneurysmal and non-pathologic human ascending aortic tissue in shear. <i>Clinical Biomechanics</i> , 2018, 58, 49-56.	1.2	6
15	A non-equilibrium thermodynamic model for the crack propagation rate. <i>Mechanics of Time-Dependent Materials</i> , 2010, 14, 91.	4.4	4
16	Time-frequency analyses of fluidâ€œsolid interaction under sinusoidal translational shear deformation of the viscoelastic rat cerebrum. <i>Mechanics of Time-Dependent Materials</i> , 2018, 22, 1-27.	4.4	4
17	Thermoelastic Generalization of Isothermal Elastic Constitutive Models for Rubber-Like Materials. <i>Rubber Chemistry and Technology</i> , 1996, 69, 313-324.	1.2	4
18	A maximum dissipation thermodynamic multi-scale model for the dynamic response of the arterial elastinâ€œwater system. <i>Acta Mechanica</i> , 2010, 213, 169-188.	2.1	3

#	ARTICLE	IF	CITATIONS
19	A non-equilibrium model for rapid finite deformation of hydrated soft biological tissue in uniaxial confined compression. <i>Acta Mechanica</i> , 2014, 225, 3041-3058.	2.1	2
20	Minor aortic injury may be at risk of progression from uncontrolled shear stress: An in-vitro model demonstrates aortic lesion expansion. <i>Trauma</i> , 2020, , 146040862095742.	0.5	1
21	Interstitial fluid–solid interaction within aneurysmal and non-pathological human ascending aortic tissue under translational sinusoidal shear deformation. <i>Acta Biomaterialia</i> , 2020, 113, 452-463.	8.3	1
22	Reversible Performance of Cycles with Variable Temperature Heat Transfer Interactions. <i>International Journal of Mechanical Engineering Education</i> , 1994, 22, 91-99.	1.0	0
23	Damage to the rat cerebrum under in vitro sinusoidal translational shear deformation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 110, 103969.	3.1	0
24	Fracture. , 2011, , 269-285.		0
25	Evolution Construction for Homogeneous Thermodynamic Systems. , 2011, , 31-59.		0