

Aravind Sundaramurthy

List of Publications by Year in descending order

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232
citing authors

#	ARTICLE	IF	CITATIONS
1	A Strain Rate-Dependent Constitutive Model for Göttingen Minipig Cerebral Arteries. Journal of Biomechanical Engineering, 2022, 144, .	0.6	3
2	The importance of modeling the human cerebral vasculature in blunt trauma. BioMedical Engineering OnLine, 2021, 20, 11.	1.3	12
3	Animal Orientation Affects Brain Biomechanical Responses to Blast-Wave Exposure. Journal of Biomechanical Engineering, 2021, 143, .	0.6	6
4	Investigation of the direct and indirect mechanisms of primary blast insult to the brain. Scientific Reports, 2021, 11, 16040.	1.6	7
5	Cerebral Vasculature Influences Blast-Induced Biomechanical Responses of Human Brain Tissue. Frontiers in Bioengineering and Biotechnology, 2021, 9, 744808.	2.0	2
6	A 3-D Finite-Element Minipig Model to Assess Brain Biomechanical Responses to Blast Exposure. Frontiers in Bioengineering and Biotechnology, 2021, 9, 757755.	2.0	2
7	Does Blast Exposure to the Torso Cause a Blood Surge to the Brain?. Frontiers in Bioengineering and Biotechnology, 2020, 8, 573647.	2.0	10
8	A 3-D Rat Brain Model for Blast-Wave Exposure: Effects of Brain Vasculature and Material Properties. Annals of Biomedical Engineering, 2019, 47, 2033-2044.	1.3	35
9	Validation of Laboratory Animal and Surrogate Human Models in Primary Blast Injury Studies. Military Medicine, 2017, 182, 105-113.	0.4	26
10	Tailoring the Blast Exposure Conditions in the Shock Tube for Generating Pure, Primary Shock Waves: The End Plate Facilitates Elimination of Secondary Loading of the Specimen. PLoS ONE, 2016, 11, e0161597.	1.1	49
11	A Parametric Approach to Shape Field-Relevant Blast Wave Profiles in Compressed-Gas-Driven Shock Tube. Frontiers in Neurology, 2014, 5, 253.	1.1	27
12	Blast-Induced Biomechanical Loading of the Rat: An Experimental and Anatomically Accurate Computational Blast Injury Model. Journal of Neurotrauma, 2012, 29, 2352-2364.	1.7	117