

Aravind Sundaramurthy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11665581/publications.pdf>

Version: 2024-02-01

12
papers

296
citations

1307366

7
h-index

1199470

12
g-index

12
all docs

12
docs citations

12
times ranked

232
citing authors

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