

# Tusit Weerasooriya

## List of Publications by Year in descending order

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9  
papers

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citations

1684188  
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1588992  
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9  
docs citations

9  
times ranked

121  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural analysis of the frontal and parietal bones of the human skull. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 90, 689-701.	3.1	35
2	Rate-dependent fracture modes in human femoral cortical bone. International Journal of Fracture, 2015, 194, 81-92.	2.2	21
3	Orientation Dependent Compressive Response of Human Femoral Cortical Bone as a Function of Strain Rate. Journal of Dynamic Behavior of Materials, 2016, 2, 74-90.	1.7	19
4	Multiscale response of the human skull to quasi-static compression. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 102, 103492.	3.1	9
5	Initiation Fracture Toughness of Human Cortical Bone as a Function of Loading Rate. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 45-56.	0.5	6
6	Influence of the mesostructure on the compressive mechanical response of adolescent porcine cranial bone. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 96, 96-107.	3.1	5
7	Implementation and validation of finite element model of skull deformation and failure response during uniaxial compression. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 115, 104302.	3.1	4
8	Mechanism and microstructure based concept to predict skull fracture using a hybrid-experimental-modeling-computational approach. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 121, 104599.	3.1	2
9	Dynamic Fracture Response of a Synthetic Cortical Bone Simulant. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 45-49.	0.5	0