Yuan-Tsan Tseng

List of Publications by Year
in descending order

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11 papers	210 citations	1478505 6 h-index	1372567 10 g-index
12 all docs	12 docs citations	12 times ranked	364 citing authors

#	Article	IF	Citations
1	Modelling the rate-dependency of the mechanical behaviour of the aortic heart valve: An experimentally guided theoretical framework. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 134, 105341.	3.1	2
2	A New Technique for Shaping the Aortic Sinuses and Conserving Dynamism in the Remodeling Operation. Annals of Thoracic Surgery, 2021, 112, 1218-1226.	1.3	4
3	Biocompatibility and Application of Carbon Fibers in Heart Valve Tissue Engineering. Frontiers in Cardiovascular Medicine, 2021, 8, 793898.	2.4	5
4	Rate-dependent mechanical behaviour of semilunar valves under biaxial deformation: From quasi-static to physiological loading rates. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 104, 103645.	3.1	7
5	Microstructure of the juvenile sheep aortic valve hinge region and the trilamellar sliding hypothesis. Global Cardiology Science & Practice, 2020, 2020, e202023.	0.4	1
6	Rate-dependency of the mechanical behaviour of semilunar heart valves under biaxial deformation. Acta Biomaterialia, 2019, 88, 120-130.	8.3	18
7	A Strategy to Enhance Secretion of Extracellular Matrix Components by Stem Cells: Relevance to Tissue Engineering. Tissue Engineering - Part A, 2018, 24, 145-156.	3.1	15
8	Fabrication and In Vitro Characterization of a Tissue Engineered PCL-PLLA Heart Valve. Scientific Reports, 2018, 8, 8187.	3.3	58
9	A transverse isotropic constitutive model for the aortic valve tissue incorporating rate-dependency and fibre dispersion: Application to biaxial deformation. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 85, 80-93.	3.1	14
10	Extracellular matrix production by adipose-derived stem cells: Implications for heart valve tissue engineering. Biomaterials, 2011, 32, 119-127.	11.4	85
11	Rate-Dependent Mechanical Behaviour of Semilunar Valves Under Biaxial Deformation: From Quasi-Static to Physiological Loading Rates. SSRN Electronic Journal, 0, , .	0.4	0