Taeksang Lee

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8850822/publications.pdf

Version: 2024-02-01

12	177	1163117 8	1199594 12
papers	citations	h-index	g-index

12	12	12	164
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bayesian calibration of a computational model of tissue expansion based on a porcine animal model. Acta Biomaterialia, 2022, 137, 136-146.	8.3	10
2	The geometry of incompatibility in growing soft tissues: Theory and numerical characterization. Journal of the Mechanics and Physics of Solids, 2021, 146, 104177.	4.8	13
3	Highâ€Throughput Magnetic Actuation Platform for Evaluating the Effect of Mechanical Force on 3D Tumor Microenvironment. Advanced Functional Materials, 2021, 31, .	14.9	5
4	Personalized Computational Models of Tissue-Rearrangement in the Scalp Predict the Mechanical Stress Signature of Rotation Flaps. Cleft Palate-Craniofacial Journal, 2021, 58, 438-445.	0.9	7
5	Improving reconstructive surgery design using Gaussian process surrogates to capture material behavior uncertainty. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 118, 104340.	3.1	9
6	Propagation of uncertainty in the mechanical and biological response of growing tissues using multi-fidelity Gaussian process regression. Computer Methods in Applied Mechanics and Engineering, 2020, 359, 112724.	6.6	36
7	Modeling Tissue Expansion with Isogeometric Analysis: Skin Growth and Tissue Level Changes in the Porcine Model. Plastic and Reconstructive Surgery, 2020, 146, 792-798.	1.4	10
8	Predicting the effect of aging and defect size on the stress profiles of skin from advancement, rotation and transposition flap surgeries. Journal of the Mechanics and Physics of Solids, 2019, 125, 572-590.	4.8	24
9	Multi-view stereo in the operating room allows prediction of healing complications in a patient-specific model of reconstructive surgery. Journal of Biomechanics, 2018, 74, 202-206.	2.1	12
10	Improving tissue expansion protocols through computational modeling. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 82, 224-234.	3.1	22
11	Propagation of material behavior uncertainty in a nonlinear finite element model of reconstructive surgery. Biomechanics and Modeling in Mechanobiology, 2018, 17, 1857-1873.	2.8	28
12	Small punch test and simulation of HR3C steel. Journal of Mechanical Science and Technology, 2018, 32, 3115-3121.	1.5	1