

Taeksang Lee

List of Publications by Year in descending order

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

Version: 2024-02-01

12
papers

177
citations

1163117

8
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

164
citing authors

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