

Peter Mchugh

List of Publications by Year in descending order

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12
papers

291
citations

1163117

8
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

531
citing authors

#	ARTICLE	IF	CITATIONS
1	Head-to-nerve analysis of electromechanical impairments of diffuse axonal injury. <i>Biomechanics and Modeling in Mechanobiology</i> , 2019, 18, 361-374.	2.8	4
2	Electrothermal Equivalent Three-Dimensional Finite-Element Model of a Single Neuron. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 1373-1381.	4.2	14
3	Effects of nerve bundle geometry on neurotrauma evaluation. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2018, 34, e3118.	2.1	5
4	Effects of material thickness and processing method on poly(lactic-co-glycolic acid) degradation and mechanical performance. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 154.	3.6	13
5	Nanoindentation of solvent-cast and compression-moulded poly(lactic-co-glycolic acid) to determine elastic modulus and hardness. <i>Polymer Testing</i> , 2016, 50, 111-118.	4.8	8
6	Modelling the degradation and elastic properties of poly(lactic-co-glycolic acid) films and regular open-cell tissue engineering scaffolds. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 54, 48-59.	3.1	29
7	Computational modelling of ovine critical-sized tibial defects with implanted scaffolds and prediction of the safety of fixator removal. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 44, 133-146.	3.1	7
8	Evaluation of a Multiscale Modelling Methodology to Predict the Mechanical Properties of PCL/ β -TCP Sintered Scaffold Materials. <i>Annals of Biomedical Engineering</i> , 2015, 43, 1989-1998.	2.5	6
9	Evaluating the effect of increasing ceramic content on the mechanical properties, material microstructure and degradation of selective laser sintered polycaprolactone/ β -tricalcium phosphate materials. <i>Medical Engineering and Physics</i> , 2015, 37, 767-776.	1.7	35
10	Predicting the Elastic Properties of Selective Laser Sintered PCL/ β -TCP Bone Scaffold Materials Using Computational Modelling. <i>Annals of Biomedical Engineering</i> , 2014, 42, 661-677.	2.5	33
11	Nanomechanical properties of poly(lactic-co-glycolic) acid film during degradation. <i>Acta Biomaterialia</i> , 2014, 10, 4695-4703.	8.3	44
12	Fabrication, mechanical and in vivo performance of polycaprolactone/tricalcium phosphate composite scaffolds. <i>Acta Biomaterialia</i> , 2012, 8, 3446-3456.	8.3	93