Peter Mchugh

List of Publications by Year
in descending order

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	Fabrication, mechanical and in vivo performance of polycaprolactone/tricalcium phosphate composite scaffolds. Acta Biomaterialia, 2012, 8, 3446-3456.	8.3	93
2	Nanomechanical properties of poly(lactic-co-glycolic) acid film during degradation. Acta Biomaterialia, 2014, 10, 4695-4703.	8.3	44
3	Evaluating the effect of increasing ceramic content on the mechanical properties, material microstructure and degradation of selective laser sintered polycaprolactone/Î²-tricalcium phosphate materials. Medical Engineering and Physics, 2015, 37, 767-776.	1.7	35
4	Predicting the Elastic Properties of Selective Laser Sintered PCL/Î²-TCP Bone Scaffold Materials Using Computational Modelling. Annals of Biomedical Engineering, 2014, 42, 661-677.	2.5	33
5	Modelling the degradation and elastic properties of poly(lactic-co-glycolic acid) films and regular open-cell tissue engineering scaffolds. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 54, 48-59.	3.1	29
6	Electrothermal Equivalent Three-Dimensional Finite-Element Model of a Single Neuron. IEEE Transactions on Biomedical Engineering, 2018, 65, 1373-1381.	4.2	14
7	Effects of material thickness and processing method on poly(lactic-co-glycolic acid) degradation and mechanical performance. Journal of Materials Science: Materials in Medicine, 2016, 27, 154.	3.6	13
8	Nanoindentation of solvent-cast and compression-moulded poly(lactic-co-glycolic acid) to determine elastic modulus and hardness. Polymer Testing, 2016, 50, 111-118.	4.8	8
9	Computational modelling of ovine critical-sized tibial defects with implanted scaffolds and prediction of the safety of fixator removal. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 44, 133-146.	3.1	7
10	Evaluation of a Multiscale Modelling Methodology to Predict the Mechanical Properties of PCL/Î²-TCP Sintered Scaffold Materials. Annals of Biomedical Engineering, 2015, 43, 1989-1998.	2.5	6
11	Effects of nerve bundle geometry on neurotrauma evaluation. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e3118.	2.1	5
12	Head-to-nerve analysis of electromechanical impairments of diffuse axonal injury. Biomechanics and Modeling in Mechanobiology, 2019, 18, 361-374.	2.8	4