

Lucy A Bosworth

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

752
citations

687363

13
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

1338
citing authors

#	ARTICLE	IF	CITATIONS
1	State of the art composites comprising electrospun fibres coupled with hydrogels: a review. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 322-335.	3.3	126
2	Physicochemical characterisation of degrading polycaprolactone scaffolds. <i>Polymer Degradation and Stability</i> , 2010, 95, 2269-2276.	5.8	115
3	Investigation of 2D and 3D electrospun scaffolds intended for tendon repair. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1605-1614.	3.6	76
4	Acetone, a Sustainable Solvent for Electrospinning Poly(μ -Caprolactone) Fibres: Effect of Varying Parameters and Solution Concentrations on Fibre Diameter. <i>Journal of Polymers and the Environment</i> , 2012, 20, 879-886.	5.0	62
5	Dynamic loading of electrospun yarns guides mesenchymal stem cells towards a tendon lineage. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 39, 175-183.	3.1	58
6	Gamma irradiation of electrospun poly(μ -caprolactone) fibers affects material properties but not cell response. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 870-876.	2.1	42
7	Enhancing Biocompatibility without Compromising Material Properties: An Optimised NaOH Treatment for Electrospun Polycaprolactone Fibres. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-11.	2.7	39
8	Electrospinning for tissue regeneration. , 2011, , .		39
9	Cell response to sterilized electrospun poly(ϵ -caprolactone) scaffolds to aid tendon regeneration <i>in vivo</i> . <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 389-397.	4.0	29
10	Tissue Engineering the Annulus Fibrosus Using 3D Rings of Electrospun PCL:PLLA Angle-Ply Nanofiber Sheets. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 437.	4.1	29
11	Material Characterization of PCL:PLLA Electrospun Fibers Following Six Months Degradation In Vitro. <i>Polymers</i> , 2020, 12, 700.	4.5	25
12	Mimicking the Annulus Fibrosus Using Electrospun Polyester Blended Scaffolds. <i>Nanomaterials</i> , 2019, 9, 537.	4.1	21
13	Electrospun nanofibres of polycaprolactone, and their use for tendon regeneration. <i>International Journal of Nano and Biomaterials</i> , 2008, 1, 263.	0.1	18
14	Material Characterisation and Stratification of Conjunctival Epithelial Cells on Electrospun Poly(μ -Caprolactone) Fibres Loaded with Decellularised Tissue Matrices. <i>Pharmaceutics</i> , 2021, 13, 318.	4.5	14
15	Travelling along the Clinical Roadmap: Developing Electrospun Scaffolds for Tendon Repair. <i>Conference Papers in Science</i> , 2014, 2014, 1-6.	0.3	12
16	The conjunctival extracellular matrix, related disorders and development of substrates for conjunctival restoration. <i>Ocular Surface</i> , 2023, 28, 322-335.	4.4	10
17	Melt electro-written scaffolds with box-architecture support orthogonally oriented collagen. <i>Biofabrication</i> , 2022, 14, 015015.	7.1	8
18	Biological tissues and components, and synthetic substrates for conjunctival cell transplantation. <i>Ocular Surface</i> , 2021, 22, 15-26.	4.4	7

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19	Medical grade sterilization affects synthetic polymer film properties intended for peripheral nerve repair: an in vitro study. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 701-711.	3.6	6
20	Effect of Topography and Physical Stimulus on hMSC Phenotype Using a 3D In Vitro Model. <i>Nanomaterials</i> , 2019, 9, 522.	4.1	6
21	Exploiting biomaterial approaches to manufacture an artificial trabecular meshwork: A progress report. <i>Biomaterials and Biosystems</i> , 2021, 1, 100011.	2.2	5
22	An Optimized Method to Decellularize Human Trabecular Meshwork. <i>Bioengineering</i> , 2022, 9, 194.	3.5	4
23	Optimizing Attachment of Human Mesenchymal Stem Cells on Poly(ε-caprolactone) Electrospun Yarns. <i>Journal of Visualized Experiments</i> , 2015, , .	0.3	1