

Malavika Nair

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

255
citations

1478505

6
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

192
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable bioactivity and mechanics of collagen-based tissue engineering constructs: A comparison of EDC-NHS, genipin and TG2 crosslinkers. <i>Biomaterials</i> , 2020, 254, 120109.	11.4	83
2	Triboelectric Yarns with Electrospun Functional Polymer Coatings for Highly Durable and Washable Smart Textile Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 16876-16886.	8.0	59
3	Crosslinking Collagen Constructs: Achieving Cellular Selectivity Through Modifications of Physical and Chemical Properties. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6911.	2.5	44
4	Self-assembly of collagen bundles and enhanced piezoelectricity induced by chemical crosslinking. <i>Nanoscale</i> , 2019, 11, 15120-15130.	5.6	33
5	MicroCT analysis of connectivity in porous structures: optimizing data acquisition and analytical methods in the context of tissue engineering. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20190833.	3.4	11
6	Tailoring the triboelectric output of poly-L-lactic acid nanotubes through control of polymer crystallinity. <i>JPhys Materials</i> , 2021, 4, 034010.	4.2	8
7	Tailoring the biofunctionality of collagen biomaterials via tropoelastin incorporation and EDC-crosslinking. <i>Acta Biomaterialia</i> , 2021, 135, 150-163.	8.3	6
8	<i>In situ</i> ESEM imaging of the vapor-pressure-dependent sublimation-induced morphology of ice. <i>Physical Review Materials</i> , 2018, 2, .	2.4	6
9	Feature importance in multi-dimensional tissue-engineering datasets: Random forest assisted optimization of experimental variables for collagen scaffolds. <i>Applied Physics Reviews</i> , 2021, 8, .	11.3	5