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Mechanical and Biochemical Stimulation of 3D Multilayered Scaffolds for Tendon Tissue Engineering

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#	Paper	IF	Citations
53	Guiding Mesenchymal Stem Cells into Myelinating Schwann Cell-Like Phenotypes by Using Electrospun Core-Sheath Nanoyarns. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 5284-5294	5.5	12
52	Mesenchymal Stem Cells Empowering Tendon Regenerative Therapies. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	54
51	Customizable Composite Fibers for Engineering Skeletal Muscle Models. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 1112-1123	5.5	18
50	Tenocyte-imprinted substrate: a topography-based inducer for tenogenic differentiation in adipose tissue-derived mesenchymal stem cells. <i>Biomedical Materials (Bristol)</i> , 2020 , 15, 035014	3.5	6
49	In Vitro Innovation of Tendon Tissue Engineering Strategies. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	17
48	Dose-Response Tendon-Specific Markers Induction by Growth Differentiation Factor-5 in Human Bone Marrow and Umbilical Cord Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	12
47	Electroconductive Nanobiomaterials for Tissue Engineering and Regenerative Medicine. <i>Bioelectricity</i> , 2020 , 2, 120-149	2	24
46	Oxygen-Releasing Antibacterial Nanofibrous Scaffolds for Tissue Engineering Applications. <i>Polymers</i> , 2020 , 12,	4.5	22
45	Process-Structure-Quality Relationships of Three-Dimensional Printed Poly(Caprolactone)-Hydroxyapatite Scaffolds. <i>Tissue Engineering - Part A</i> , 2020 , 26, 279-291	3.9	29
44	Engineering bioactive synthetic polymers for biomedical applications: a review with emphasis on tissue engineering and controlled release. <i>Materials Advances</i> ,	3.3	6
43	Biofabrication and Signaling Strategies for Tendon/Ligament Interfacial Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 383-399	5.5	7
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41	Scaffold-based developmental tissue engineering strategies for ectodermal organ regeneration. <i>Materials Today Bio</i> , 2021 , 10, 100107	9.9	6
40	Continuous chaotic bioprinting of skeletal muscle-like constructs. <i>Bioprinting</i> , 2021 , 21, e00125	7	16
39	FleXert: A Soft, Actuatable Multiwell Plate Insert for Cell Culture under Stretch. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 2225-2245	5.5	2
38	Advanced technology-driven therapeutic interventions for prevention of tendon adhesion: Design, intrinsic and extrinsic factor considerations. <i>Acta Biomaterialia</i> , 2021 , 124, 15-32	10.8	10
37	Tendon tissue engineering: Cells, growth factors, scaffolds and production techniques. <i>Journal of Controlled Release</i> , 2021 , 333, 448-486	11.7	14

36	Cellular Technologies in Traumatology: From Cells to Tissue Engineering. <i>Acta Biomedica Scientifica</i> , 2021 , 6, 166-175	0.3	
35	Tunable Cross-Linking and Adhesion of Gelatin Hydrogels via Bioorthogonal Click Chemistry. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 4330-4346	5.5	7
34	3D Electrospun Nanofiber-Based Scaffolds: From Preparations and Properties to Tissue Regeneration Applications. <i>Stem Cells International</i> , 2021 , 2021, 8790143	5	7
33	Three-Dimensional Printable Conductive Semi-Interpenetrating Polymer Network Hydrogel for Neural Tissue Applications. <i>Biomacromolecules</i> , 2021 , 22, 3084-3098	6.9	15
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31	Preparation and characterization of electrospun shape memory polyurethane/graphene quantum dot nanocomposite scaffolds for tissue engineering. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 1-9	3	0
30	Adipose micro-grafts enhance tendinopathy healing in ovine model: An in vivo experimental perspective study. <i>Stem Cells Translational Medicine</i> , 2021 , 10, 1544-1560	6.9	4
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