

CITATION REPORT

List of articles citing

Decellularized cartilage matrix as a novel biomatrix for cartilage tissue-engineering applications

DOI: 10.1089/ten.tea.2011.0705

Tissue Engineering - Part A, 2012, 18, 2195-209.

Source: <https://exaly.com/paper-pdf/54000907/citation-report.pdf>

Version: 2024-04-19

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
190	Injectable extracellular matrix hydrogel developed using porcine articular cartilage. 2013 , 454, 183-91		41
189	Marine collagen scaffolds for nasal cartilage repair: prevention of nasal septal perforations in a new orthotopic rat model using tissue engineering techniques. <i>Tissue Engineering - Part A</i> , 2013 , 19, 2201-14	3.9	45
188	The effects of crosslinking of scaffolds engineered from cartilage ECM on the chondrogenic differentiation of MSCs. 2013 , 34, 5802-12		130
187	Advances in regenerative orthopedics. 2013 , 88, 1323-39		60
186	Response of human chondrocytes and mesenchymal stromal cells to a decellularized human dermis. 2013 , 14, 12		11
185	Extracellular matrix scaffolds for cartilage and bone regeneration. 2013 , 31, 169-76		379
184	Bioengineering of articular cartilage: past, present and future. 2013 , 8, 333-49		25
183	Biological scaffolds for regenerative medicine. 133-150		
182	Tissue-engineered tracheal reconstruction using three-dimensionally printed artificial tracheal graft: preliminary report. 2014 , 38, E95-E105		105
181	In vitro cytotoxicity and in vivo effects of a decellularized xenogeneic collagen scaffold in nasal cartilage repair. <i>Tissue Engineering - Part A</i> , 2014 , 20, 1668-78	3.9	33
180	Generation of Bioartificial Salivary Gland Using Whole-Organ Decellularized Bioscaffold. 2014 , 200, 171-80		26
179	Tissue-engineered tracheal reconstruction using chondrocyte seeded on a porcine cartilage-derived substance scaffold. 2014 , 78, 32-8		29
178	Biomaterials for tissue engineering. 2014 , 42, 323-37		115
177	Multipotent Stromal Cells Outperform Chondrocytes on Cartilage-Derived Matrix Scaffolds. <i>Cartilage</i> , 2014 , 5, 221-30	3	28
176	Advances in mesenchymal stem cell-based strategies for cartilage repair and regeneration. 2014 , 10, 686-96		85
175	Chondrogenic differentiation of human adipose mesenchymal stem cells: influence of a biomimetic gelatin genipin crosslinked porous scaffold. 2014 , 77, 928-34		21
174	Chondrogenic differentiation of adipose-derived stromal cells in combinatorial hydrogels containing cartilage matrix proteins with decoupled mechanical stiffness. <i>Tissue Engineering - Part A</i> , 2014 , 20, 2131-9	3.9	52

173	Combined decellularisation and dehydration improves the mechanical properties of tissue-engineered sinews. <i>Journal of Tissue Engineering</i> , 2014 , 5, 2041731414536720	7.5	5
172	The effect of timing of glycosaminoglycan removal on decellularization and recellularization of cartilage. 2014 ,		
171	Decellularized cartilage may be a chondroinductive material for osteochondral tissue engineering. 2015 , 10, e0121966		93
170	Biomimetically enhanced demineralized bone matrix for bone regenerative applications. 2015 , 6, 292		7
169	Development and characterisation of a decellularised bovine osteochondral biomaterial for cartilage repair. 2015 , 26, 186		24
168	Preparation and characterization of a decellularized cartilage scaffold for ear cartilage reconstruction. 2015 , 10, 015010		61
167	An injectable extracellular matrix derived hydrogel for meniscus repair and regeneration. <i>Acta Biomaterialia</i> , 2015 , 16, 49-59	10.8	113
166	Synergistic effect of laminin and mesenchymal stem cells on tracheal mucosal regeneration. 2015 , 44, 134-42		18
165	Bioactive Microsphere-Based Scaffolds Containing Decellularized Cartilage. 2015 , 15, 979-89		28
164	Influence of stepwise chondrogenesis-mimicking 3D extracellular matrix on chondrogenic differentiation of mesenchymal stem cells. 2015 , 52, 199-207		60
163	Effect of decellularization on the load-bearing characteristics of articular cartilage matrix. <i>Tissue Engineering and Regenerative Medicine</i> , 2015 , 12, 294-305	4.5	11
162	Decellularized cartilage-derived matrix as substrate for endochondral bone regeneration. <i>Tissue Engineering - Part A</i> , 2015 , 21, 694-703	3.9	51
161	Processed xenogenic cartilage as innovative biomatrix for cartilage tissue engineering: effects on chondrocyte differentiation and function. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, E239-51	4.4	58
160	Endochondral ossification for enhancing bone regeneration: converging native extracellular matrix biomaterials and developmental engineering in vivo. <i>Tissue Engineering - Part B: Reviews</i> , 2015 , 21, 247-66 ⁹		50
159	Tissue-engineered tracheal reconstruction using mesenchymal stem cells seeded on a porcine cartilage powder scaffold. 2015 , 43, 1003-13		39
158	The bioactivity of cartilage extracellular matrix in articular cartilage regeneration. <i>Advanced Healthcare Materials</i> , 2015 , 4, 29-39	10.1	95
157	Chondrogenesis of Human Infrapatellar Fat Pad Stem Cells on Acellular Dermal Matrix. 2016 , 3, 3		12
156	Development and characterization of decellularized human nasoseptal cartilage matrix for use in tissue engineering. 2016 , 126, 2226-31		13

155	Evaluation and comparison of the in vitro characteristics and chondrogenic capacity of four adult stem/progenitor cells for cartilage cell-based repair. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 600-610	5.4	32
154	Development of a bovine decellularized extracellular matrix-biomaterial for nucleus pulposus regeneration. <i>Journal of Orthopaedic Research</i> , 2016 , 34, 876-88	3.8	29
153	Preliminary experiences in trachea scaffold tissue engineering with segmental organ decellularization. 2016 , 126, 2520-2527		31
152	Acoustic Properties of Collagenous Matrices of Xenogenic Origin for Tympanic Membrane Reconstruction. <i>Otology and Neurotology</i> , 2016 , 37, 692-7	2.6	5
151	New bioreactor vessel for tissue engineering of human nasal septal chondrocytes. 2016 , 2, 319-322		3
150	Establishment of a Cytocompatible Cell-Free Intervertebral Disc Matrix for Chondrogenesis with Human Bone Marrow-Derived Mesenchymal Stromal Cells. 2016 , 201, 354-65		9
149	Current status of three-dimensional printing inks for soft tissue regeneration. <i>Tissue Engineering and Regenerative Medicine</i> , 2016 , 13, 636-646	4.5	56
148	Fabrication of anatomically-shaped cartilage constructs using decellularized cartilage-derived matrix scaffolds. 2016 , 91, 57-72		87
147	Approaching the compressive modulus of articular cartilage with a decellularized cartilage-based hydrogel. <i>Acta Biomaterialia</i> , 2016 , 38, 94-105	10.8	86
146	3D bioprinting of human chondrocyte-laden nanocellulose hydrogels for patient-specific auricular cartilage regeneration. 2016 , 1-2, 22-35		172
145	In Vivo Cellular Infiltration and Remodeling in a Decellularized Ovine Osteochondral Allograft. <i>Tissue Engineering - Part A</i> , 2016 , 22, 1274-1285	3.9	17
144	Dissociated and Reconstituted Cartilage Microparticles in Densified Collagen Induce Local hMSC Differentiation. <i>Advanced Functional Materials</i> , 2016 , 26, 5427-5436	15.6	13
143	Inadequate Processing of Decellularized Dermal Matrix Reduces Cell Viability In Vitro and Increases Apoptosis and Acute Inflammation In Vivo. 2016 , 5, 177-87		25
142	Detergent-free decellularization of bovine costal cartilage for chondrogenic differentiation of human adipose mesenchymal stem cells in vitro. 2016 , 6, 94236-94246		13
141	Systematic Comparison of Protocols for the Preparation of Human Articular Cartilage for Use as Scaffold Material in Cartilage Tissue Engineering. 2016 , 22, 1095-1107		16
140	Cartilage extracellular matrix as a biomaterial for cartilage regeneration. 2016 , 1383, 139-159		38
139	Characterization of a migrative subpopulation of adult human nasoseptal chondrocytes with progenitor cell features and their potential for in vivo cartilage regeneration strategies. 2016 , 6, 11		18
138	Decellularization of porcine articular cartilage explants and their subsequent repopulation with human chondroprogenitor cells. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015 , 55, 21-31	4.1	46

137	Chondroinduction from Naturally Derived Cartilage Matrix: A Comparison Between Devitalized and Decellularized Cartilage Encapsulated in Hydrogel Pastes. <i>Tissue Engineering - Part A</i> , 2016 , 22, 665-79	3.9	39
136	Chondroinductive Hydrogel Pastes Composed of Naturally Derived Devitalized Cartilage. 2016 , 44, 1863-80		26
135	Decellularized retinal matrix: Natural platforms for human retinal progenitor cell culture. <i>Acta Biomaterialia</i> , 2016 , 31, 61-70	10.8	39
134	Cell-based cartilage repair strategies in the horse. 2016 , 208, 1-12		17
133	Pilot study of a novel vacuum-assisted method for decellularization of tracheae for clinical tissue engineering applications. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 800-811	4.4	24
132	Transplantation of Chemically Processed Decellularized Meniscal Allografts. <i>Cartilage</i> , 2017 , 8, 180-190	3	7
131	Tissue-Derived Extracellular Matrix Bioscaffolds: Emerging Applications in Cartilage and Meniscus Repair. <i>Tissue Engineering - Part B: Reviews</i> , 2017 , 23, 386-398	7.9	22
130	Overview: State of the Art and Future Prospectives for Cartilage Repair. 2017 , 1-34		4
129	The feasibility of gamma radiation sterilization for decellularized tracheal grafts. 2017 , 127, E258-E264		4
128	Recent Progress in Cartilage Tissue Engineering Our Experience and Future Directions. 2017 , 3, 28-35		79
127	Hyaluronic-Acid-Hydroxyapatite Colloidal Gels Combined with Micronized Native ECM as Potential Bone Defect Fillers. 2017 , 33, 206-218		21
126	Tissue-specific bioactivity of soluble tendon-derived and cartilage-derived extracellular matrices on adult mesenchymal stem cells. 2017 , 8, 133		50
125	Cartilage engineering in reconstructive surgery: auricular, nasal and tracheal engineering from a surgical perspective. 2017 , 12, 303-314		23
124	PLLA scaffolds produced by thermally induced phase separation (TIPS) allow human chondrocyte growth and extracellular matrix formation dependent on pore size. <i>Materials Science and Engineering C</i> , 2017 , 80, 449-459	8.3	48
123	Natural Extracellular Matrix for Cellular and Tissue Biomanufacturing. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 1462-1476	5.5	40
122	Bio-engineered electrospun nanofibrous membranes using cartilage extracellular matrix particles. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 765-776	7.3	27
121	Tissue Engineering Strategies for Auricular Reconstruction. 2017 , 28, 2007-2011		6
120	CNT-decellularized cartilage hybrids for tissue engineering applications. 2017 , 12, 065008		11

119	Bio-inks for 3D bioprinting: recent advances and future prospects. 2017 , 8, 4451-4471		189
118	The Challenge in Using Mesenchymal Stromal Cells for Recellularization of Decellularized Cartilage. 2017 , 13, 50-67		20
117	Anatomical region-dependent enhancement of 3-dimensional chondrogenic differentiation of human mesenchymal stem cells by soluble meniscus extracellular matrix. <i>Acta Biomaterialia</i> , 2017 , 49, 140-151	10.8	40
116	Automated bioreactor system for cartilage tissue engineering of human primary nasal septal chondrocytes. 2017 , 62, 481-486		0
115	Microsphere-Based Osteochondral Scaffolds Carrying Opposing Gradients Of Decellularized Cartilage And Demineralized Bone Matrix. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 1955-1963	5.5	11
114	Management of knee osteoarthritis. Current status and future trends. <i>Biotechnology and Bioengineering</i> , 2017 , 114, 717-739	4.9	53
113	Fabrication and In Vitro Study of Tissue-Engineered Cartilage Scaffold Derived from Wharton's Jelly Extracellular Matrix. 2017 , 2017, 5839071		11
112	Efficient decellularization for tissue engineering of the tendon-bone interface with preservation of biomechanics. 2017 , 12, e0171577		27
111	Chondrogenic response in presence of cartilage extracellular matrix nanoparticles. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 2463-2471	5.4	15
110	Tracheal decellularization using a combination of chemical, physical and bioreactor methods. 2017 , 0		12
109	Optimising the decellularization of human elastic cartilage with trypsin for future use in ear reconstruction. 2018 , 8, 3097		33
108	Tissue-derived scaffolds and cells for articular cartilage tissue engineering: characteristics, applications and progress. 2018 , 372, 13-22		10
107	Evaluation methods as quality control in the generation of decellularized peripheral nerve allografts. 2018 , 15, 021003		34
106	Functionality of decellularized matrix in cartilage regeneration: A comparison of tissue versus cell sources. <i>Acta Biomaterialia</i> , 2018 , 74, 56-73	10.8	39
105	The distribution patterns of COMP and matrilin-3 in septal, alar and triangular cartilages of the human nose. 2018 , 150, 291-300		2
104	Decellularized Cartilage Directs Chondrogenic Differentiation: Creation of a Fracture Callus Mimetic. <i>Tissue Engineering - Part A</i> , 2018 , 24, 1364-1376	3.9	11
103	Efficacy of thermoresponsive, photocrosslinkable hydrogels derived from decellularized tendon and cartilage extracellular matrix for cartilage tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e159-e170	4.4	26
102	Laser micro-ablation of fibrocartilage tissue: Effects of tissue processing on porosity modification and mechanics. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 1858-1868	3.5	5

101	Laser surface modification of decellularized extracellular cartilage matrix for cartilage tissue engineering. 2018 , 33, 375-384		8
100	Tissue-Engineered Grafts from Human Decellularized Extracellular Matrices: A Systematic Review and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	131
99	Multilayered Scaffold with a Compact Interfacial Layer Enhances Osteochondral Defect Repair. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20296-20305	9.5	37
98	Functional tissue-engineered microtissue derived from cartilage extracellular matrix for articular cartilage regeneration. <i>Acta Biomaterialia</i> , 2018 , 77, 127-141	10.8	32
97	Applications of decellularized extracellular matrix in bone and cartilage tissue engineering. 2019 , 4, 83-95		106
96	A comparison study of different decellularization treatments on bovine articular cartilage. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019 , 13, 1861-1871	4.4	10
95	Development of decellularized meniscus using closed sonication treatment system: potential scaffolds for orthopedics tissue engineering applications. 2019 , 14, 5491-5502		20
94	Addition of decellularized extracellular matrix of porcine nasal cartilage improves cartilage regenerative capacities of PCL-based scaffolds in vitro. 2019 , 30, 121		9
93	Recreating Tumour Complexity in a Dish: Organoid Models to Study Liver Cancer Cells and their Extracellular Environment. 2019 , 11,		17
92	Three-Dimensional Porous Scaffolds with Biomimetic Microarchitecture and Bioactivity for Cartilage Tissue Engineering. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36359-36370	9.5	46
91	3D-bioprinted tracheal reconstruction: an overview. 2019 , 5, 15		7
90	Cartilage regeneration using decellularized cartilage matrix: Long-term comparison of subcutaneous and intranasal placement in a rabbit model. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2019 , 47, 682-694	3.6	5
89	Comparison of High-Hydrostatic-Pressure Decellularized Versus Freeze-Thawed Porcine Menisci. <i>Journal of Orthopaedic Research</i> , 2019 , 37, 2466-2475	3.8	11
88	Development and Characterization of Acellular Caprine Choncal Cartilage Matrix for Tissue Engineering Applications. <i>Cartilage</i> , 2019 , 1947603519855769	3	4
87	Glyoxal cross-linking of solubilized extracellular matrix to produce highly porous, elastic, and chondro-permissive scaffolds for orthopedic tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 2222-2234	5.4	17
86	Chondrogenesis of human adipose-derived mesenchymal stromal cells on the [devitalized costal cartilage matrix/poly(vinyl alcohol)/fibrin] hybrid scaffolds. <i>European Polymer Journal</i> , 2019 , 118, 528-541 ^{5.2}		13
85	Differences between human septal and alar cartilage with respect to biomechanical features and biochemical composition. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 96, 236-243	4.1	1
84	Biofabrication of tissue-specific extracellular matrix proteins to enhance the expansion and differentiation of skeletal muscle progenitor cells. <i>Applied Physics Reviews</i> , 2019 , 6, 021309	17.3	5

83	A Bioactive Cartilage Graft of IGF1-Transduced Adipose Mesenchymal Stem Cells Embedded in an Alginate/Bovine Cartilage Matrix Tridimensional Scaffold. <i>Stem Cells International</i> , 2019 , 2019, 9792369	5	5
82	Decellularized Caprine Conchal Cartilage toward Repair and Regeneration of Damaged Cartilage.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 2037-2049	4.1	7
81	Evaluating two ovarian decellularization methods in three species. <i>Materials Science and Engineering C</i> , 2019 , 102, 670-682	8.3	22
80	Recellularization of auricular cartilage via elastase-generated channels. <i>Biofabrication</i> , 2019 , 11, 035012	10.5	5
79	Recent advances in three-dimensional bioprinting of stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019 , 13, 908-924	4.4	19
78	A Photo-Crosslinkable Kidney ECM-Derived Bioink Accelerates Renal Tissue Formation. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1800992	10.1	97
77	Decellularization of Trachea With Combined Techniques for Tissue-Engineered Trachea Transplantation. <i>Clinical and Experimental Otorhinolaryngology</i> , 2019 , 12, 86-94	3.4	19
76	Microfiber-shaped building-block tissues with endothelial networks for constructing macroscopic tissue assembly. <i>APL Bioengineering</i> , 2019 , 3, 046101	6.6	7
75	Intact vitreous humor as a potential extracellular matrix hydrogel for cartilage tissue engineering applications. <i>Acta Biomaterialia</i> , 2019 , 85, 117-130	10.8	17
74	Cellular Behavior of RAW264.7 Cells in 3D Poly(ethylene glycol) Hydrogel Niches. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 922-932	5.5	10
73	Biomimetic Designer Scaffolds Made of D,L-Lactide--Caprolactone Polymers by 2-Photon Polymerization. <i>Tissue Engineering - Part B: Reviews</i> , 2019 , 25, 167-186	7.9	11
72	Decellularized biological scaffold and stem cells from autologous human adipose tissue for cartilage tissue engineering. <i>Methods</i> , 2020 , 171, 97-107	4.6	23
71	Synovium stem cell-derived matrix enhances anti-inflammatory properties of rabbit articular chondrocytes via the SIRT1 pathway. <i>Materials Science and Engineering C</i> , 2020 , 106, 110286	8.3	8
70	3D printing electrospinning fiber-reinforced decellularized extracellular matrix for cartilage regeneration. <i>Chemical Engineering Journal</i> , 2020 , 382, 122986	14.7	62
69	A novel decellularized skeletal muscle-derived ECM scaffolding system for in situ muscle regeneration. <i>Methods</i> , 2020 , 171, 77-85	4.6	21
68	Culture on Tissue-Specific Coatings Derived from α -Amylase-Digested Decellularized Adipose Tissue Enhances the Proliferation and Adipogenic Differentiation of Human Adipose-Derived Stromal Cells. <i>Biotechnology Journal</i> , 2020 , 15, e1900118	5.6	6
67	Nanofibrous Wharton's jelly scaffold in combination with adipose-derived stem cells for cartilage engineering. <i>Materials and Design</i> , 2020 , 186, 108216	8.1	18
66	Fabrication of chitosan/agarose scaffolds containing extracellular matrix for tissue engineering applications. <i>International Journal of Biological Macromolecules</i> , 2020 , 143, 533-545	7.9	51

65	Preparation and Characterization of an Optimized Meniscal Extracellular Matrix Scaffold for Meniscus Transplantation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 779	5.8	2
64	Biological perspectives and current biofabrication strategies in osteochondral tissue engineering. 2020 , 5, 1		10
63	Engineering cartilage tissue based on cartilage-derived extracellular matrix cECM/PCL hybrid nanofibrous scaffold. <i>Materials and Design</i> , 2020 , 193, 108773	8.1	28
62	Bioprinting Tissue Analogues with Decellularized Extracellular Matrix Bioink for Regeneration and Tissue Models of Cartilage and Intervertebral Discs. <i>Advanced Functional Materials</i> , 2020 , 30, 1909044	15.6	17
61	3D printing and characterization of human nasoseptal chondrocytes laden dual crosslinked oxidized alginate-gelatin hydrogels for cartilage repair approaches. <i>Materials Science and Engineering C</i> , 2020 , 116, 111189	8.3	24
60	Role of Region-Specific Brain Decellularized Extracellular Matrix on Neuronal Maturation. <i>Tissue Engineering - Part A</i> , 2020 , 26, 964-978	3.9	8
59	Three-dimensional bioprinting for tissue engineering. 2020 , 1391-1415		2
58	Tissue-derived decellularized extracellular matrices toward cartilage repair and regeneration. <i>Methods in Cell Biology</i> , 2020 , 157, 185-221	1.8	6
57	An Exploratory Study into the Implantation of Arytenoid Cartilage Scaffold in the Horse. <i>Tissue Engineering - Part A</i> , 2021 , 27, 165-176	3.9	
56	Harnessing electrospun nanofibers to recapitulate hierarchical fibrous structures of meniscus. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021 , 109, 201-213	3.5	9
55	Cartilage tissue engineering using injectable functionalized Demineralized Bone Matrix scaffold with glucosamine in PVA carrier, cultured in microbioreactor prior to study in rabbit model. <i>Materials Science and Engineering C</i> , 2021 , 120, 111677	8.3	8
54	Post-decellularization techniques ameliorate cartilage decellularization process for tissue engineering applications. <i>Journal of Tissue Engineering</i> , 2021 , 12, 2041731420983562	7.5	9
53	3D bioprinting of dual-crosslinked nanocellulose hydrogels for tissue engineering applications. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 6163-6175	7.3	11
52	A novel 3D histotypic cartilage construct engineered by supercritical carbon dioxide decellularized porcine nasal cartilage graft and chondrocytes exhibited chondrogenic capability. <i>International Journal of Medical Sciences</i> , 2021 , 18, 2217-2227	3.7	5
51	Fish cartilage: A promising source of biomaterial for biological scaffold fabrication in cartilage tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2021 , 109, 1737-1750	5.4	4
50	Applications of Biocompatible Scaffold Materials in Stem Cell-Based Cartilage Tissue Engineering. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 603444	5.8	15
49	Engineering a Highly Biomimetic Chitosan-Based Cartilage Scaffold by Using Short Fibers and a Cartilage-Decellularized Matrix. <i>Biomacromolecules</i> , 2021 , 22, 2284-2297	6.9	11
48	Three-Dimensional Bioprinting Scaffolding for Nasal Cartilage Defects: A Systematic Review. <i>Tissue Engineering and Regenerative Medicine</i> , 2021 , 18, 343-353	4.5	3

47	Host Response to Biomaterials for Cartilage Tissue Engineering: Key to Remodeling. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 664592	5.8	7
46	Biological Treatments for Temporomandibular Joint Disc Disorders: Strategies in Tissue Engineering. <i>Biomolecules</i> , 2021 , 11,	5.9	2
45	Decellularized Porcine Cartilage Scaffold; Validation of Decellularization and Evaluation of Biomarkers of Chondrogenesis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
44	The future of basic science in orthopaedics and traumatology: Cassandra or Prometheus?. <i>European Journal of Medical Research</i> , 2021 , 26, 56	4.8	1
43	Tissue Engineering the Pinna: Comparison and Characterization of Human Decellularized Auricular Biological Scaffolds. <i>ACS Applied Bio Materials</i> , 2021 , 4, 7234-7242	4.1	0
42	Recent advancements in decellularized matrix technology for bone tissue engineering. <i>Differentiation</i> , 2021 , 121, 25-34	3.5	1
41	Zone-Dependent Architecture and Biochemical Composition of Decellularized Porcine Nasal Cartilage Modulate the Activity of Adipose Tissue-Derived Stem Cells in Cartilage Regeneration. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	0
40	and Properties of an Injectable Hydrogel Derived From Acellular Ear Cartilage Extracellular Matrix. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 740635	5.8	1
39	Challenges for the Applications of Human Pluripotent Stem Cell-Derived Liver Organoids. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 748576	5.7	3
38	Decellularized xenogenic cartilage extracellular matrix (ECM) scaffolds for the reconstruction of osteochondral defects in rabbits. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 4873-4894	7.3	3
37	Biological Evaluation of Acellular Cartilaginous and Dermal Matrixes as Tissue Engineering Scaffolds for Cartilage Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 624337	5.7	8
36	Interdisciplinary approaches to advanced cardiovascular tissue engineering: ECM-based biomaterials, 3D bioprinting, and its assessment. <i>Progress in Biomedical Engineering</i> , 2020 , 2, 042003	7.2	10
35	Experimental approach to nasal septal cartilage regeneration with adipose tissue-derived stem cells and decellularized porcine septal cartilage. <i>Xenotransplantation</i> , 2021 , 28, e12660	2.8	3
34	Factors influencing the long-term behavior of extracellular matrix-derived scaffolds for musculoskeletal soft tissue repair. <i>Journal of Long-Term Effects of Medical Implants</i> , 2012 , 22, 181-93	0.2	9
33	Will Tissue-Engineering Strategies Bring New Hope for the Reconstruction of Nasal Septal Cartilage?. <i>Current Stem Cell Research and Therapy</i> , 2020 , 15, 144-154	3.6	4
32	Direct and indirect co-culture of bone marrow stem cells and adipose-derived stem cells with chondrocytes in 3D scaffold-free culture. <i>Journal of Regenerative Medicine & Tissue Engineering</i> , 2016 , 5, 1		2
31	Enhanced cellular migration and prolonged chondrogenic differentiation in decellularized cartilage scaffolds under dynamic culture conditions. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2021 ,	4.4	2
30	Advances in electrospun scaffolds for meniscus tissue engineering and regeneration. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021 ,	3.5	1

29	Hierarchical porous bacterial cellulose scaffolds with natural biomimetic nanofibrous structure and a cartilage tissue-specific microenvironment for cartilage regeneration and repair. <i>Carbohydrate Polymers</i> , 2022 , 276, 118790	10.3	3
28	Polymer-Assisted Cartilage and Tendon Repair. <i>Mechanical Engineering Series</i> , 2015 , 229-254	0.3	
27	Evaluating potential of tissue-engineered cryogels and chondrocyte derived exosomes in articular cartilage repair. <i>Biotechnology and Bioengineering</i> , 2021 ,	4.9	2
26	Evaluation of a New Material From an Allogenic Collagen Scaffold as a Suitable Coupling Option for Round Window Vibroplasty. <i>Otology and Neurotology</i> , 2021 , 42, 442-446	2.6	
25	Bionic tracheal tissue regeneration using a ring-shaped scaffold comprised of decellularized cartilaginous matrix and silk fibroin. <i>Composites Part B: Engineering</i> , 2022 , 229, 109470	10	9
24	Childhood Cartilage ECM Enhances the Chondrogenesis of Endogenous Cells and Subchondral Bone Repair of the Unidirectional Collagen-dECM Scaffolds in Combination with Microfracture. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 57043-57057	9.5	2
23	Decellularized tracheal scaffolds in tracheal reconstruction: An evaluation of different techniques.. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2021 , 19, 22808000211064948	1.8	1
22	Cartilage Formation In Vivo Using High Concentration Collagen-Based Bioink with MSC and Decellularized ECM Granules.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	5
21	Decellularized Avian Cartilage, a Promising Alternative for Human Cartilage Tissue Regeneration.. <i>Materials</i> , 2022 , 15,	3.5	1
20	Modulation of the inflammatory response to decellularized collagen matrix for cartilage regeneration.. <i>Journal of Biomedical Materials Research - Part A</i> , 2021 ,	5.4	1
19	Table_1.doc. 2020 ,		
18	Table_2.doc. 2020 ,		
17	Production of a Low-Cost, Off-the-Shelf, Decellularized Cartilage Xenograft for Tissue Regeneration.. <i>Annals of Plastic Surgery</i> , 2022 , 88, S296-S301	1.7	
16	Decellularization for the retention of tissue niches. <i>Journal of Tissue Engineering</i> , 2022 , 13, 204173142211011	1.9	6
15	Research progress of natural tissue-derived hydrogels for tissue repair and reconstruction. <i>International Journal of Biological Macromolecules</i> , 2022 ,	7.9	0
14	Extracellular Matrix Microparticles Improve GelMA Bioink Resolution for 3D Bioprinting at Ambient Temperature. 2200196		1
13	Cyclic freeze-thaw grinding to decellularize meniscus for fabricating porous, elastic scaffolds.		0
12	A novel decellularized matrix of Wnt signaling-activated osteocytes accelerates the repair of critical-sized parietal bone defects with osteoclastogenesis, angiogenesis, and neurogenesis. 2023 , 21, 110-128		1

- 11 In situ regeneration of nasal septal defects using acellular cartilage enhanced with platelet-derived growth factor. **2022**, 13, 204173142211144 ○
- 10 Efficacy and safety of equine cartilage for rhinoplasty: a multicenter double-blind non-inferiority randomized confirmatory clinical trial. **2022**, 23, 152-162 ○
- 9 A compositional analysis of native and decellularized porcine nasal septum cartilage. ○
- 8 Construction of Artificial Ovaries with Decellularized Porcine Scaffold and Its Elicited Immune Response after Xenotransplantation in Mice. **2022**, 13, 165 ○
- 7 Decellularization of Articular Cartilage: A Hydrochloric AcidBased Strategy. **2023**, 301-311 ○
- 6 Effects of decellularized extracellular matrix on Polyhydroxybutyrate electrospun scaffolds for cartilage tissue engineering. 1-19 ○
- 5 Decellularization of cartilage microparticles: Effects of temperature, supercritical carbon dioxide and ultrasound on biochemical, mechanical, and biological properties. 1
- 4 A Translational Tissue Engineering Approach to Airway Reconstruction Leveraging Decellularized Meniscus and Cartilage Progenitor Cells. ○
- 3 Injectable decellularized extracellular matrix hydrogel derived from human umbilical cord: A novel perspective to deal with refractory wound via medical wastes. **2023**, 229, 111877 ○
- 2 The importance of elastin and its role in auricular cartilage tissue engineering. **2023**, 32, e00276 ○
- 1 Advances in Cartilage Tissue Engineering Using Bioinks with Decellularized Cartilage and Three-Dimensional Printing. **2023**, 24, 5526 ○