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A hydrogel-mineral composite scaffold for osteochondral interface tissue engineering

DOI: 10.1089/ten.tea.2011.0279

Tissue Engineering - Part A, 2012, 18, 533-45.

Source: <https://exaly.com/paper-pdf/53471917/citation-report.pdf>

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#	Paper	IF	Citations
96	Stem cell and biomaterials research in dental tissue engineering and regeneration. <i>Dental Clinics of North America</i> , 2012 , 56, 495-520	3.3	45
95	Recent progress in interfacial tissue engineering approaches for osteochondral defects. <i>Annals of Biomedical Engineering</i> , 2012 , 40, 1628-40	4.7	77
94	A functional agarose-hydroxyapatite scaffold for osteochondral interface regeneration. <i>Biomaterials</i> , 2012 , 33, 5247-58	15.6	121
93	Hydrogels in calcium phosphate moldable and injectable bone substitutes: Sticky excipients or advanced 3-D carriers?. <i>Acta Biomaterialia</i> , 2013 , 9, 5421-30	10.8	69
92	Survival of diced and block cartilage grafts in combination with injectable calcium hydroxylapatite. <i>Laryngoscope</i> , 2013 , 123, E17-22	3.6	3
91	Engineering osteochondral constructs through spatial regulation of endochondral ossification. <i>Acta Biomaterialia</i> , 2013 , 9, 5484-92	10.8	91
90	Controlled release strategies for bone, cartilage, and osteochondral engineering--Part I: recapitulation of native tissue healing and variables for the design of delivery systems. <i>Tissue Engineering - Part B: Reviews</i> , 2013 , 19, 308-26	7.9	109
89	Enzymatically cross-linked alginic-hyaluronic acid composite hydrogels as cell delivery vehicles. <i>International Journal of Biological Macromolecules</i> , 2013 , 55, 289-94	7.9	50
88	The use of PLDLA/PCL-T scaffold to repair osteochondral defects in vivo. <i>Materials Research</i> , 2013 , 16, 105-115	1.5	3
87	Engineering tissue-to-tissue interfaces. 514-533		
86	FTIR-I compositional mapping of the cartilage-to-bone interface as a function of tissue region and age. <i>Journal of Bone and Mineral Research</i> , 2014 , 29, 2643-52	6.3	50
85	Engineering Functional Tissues. 2014 , 237-259		2
84	Technologies for Multilayered Scaffolds Suitable for Interface Tissue Engineering. <i>Advanced Engineering Materials</i> , 2014 , 16, 319-327	3.5	30
83	A novel method for monitoring mineralisation in hydrogels at the engineered hard-soft tissue interface. <i>Biomaterials Science</i> , 2014 , 2, 41-51	7.4	13
82	Biodegradable and bioactive polymer/inorganic phase nanocomposites for bone tissue engineering (BTE). 2014 , 115-150		1
81	Bioactive nanoparticles stimulate bone tissue formation in bioprinted three-dimensional scaffold and human mesenchymal stem cells. <i>Biotechnology Journal</i> , 2014 , 9, 1304-11	5.6	228
80	In situ osteoblast mineralization mediates post-injection mechanical properties of osteoconductive material. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014 , 38, 143-53	4.1	13

79	Fabrication and in vitro evaluation of an articular cartilage extracellular matrix-hydroxyapatite bilayered scaffold with low permeability for interface tissue engineering. <i>BioMedical Engineering OnLine</i> , 2014 , 13, 80	4.1	27
78	Imaging the hard/soft tissue interface. <i>Biotechnology Letters</i> , 2014 , 36, 403-15	3	7
77	Skeletal tissue regeneration: where can hydrogels play a role?. <i>International Orthopaedics</i> , 2014 , 38, 1861-86	3.6	36
76	Augmentation of engineered cartilage to bone integration using hydroxyapatite. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014 , 102, 922-32	3.5	19
75	Effects of fluctuant magnesium concentration on phenotype of the primary chondrocytes. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 4455-63	5.4	8
74	Strategies for osteochondral repair: Focus on scaffolds. <i>Journal of Tissue Engineering</i> , 2014 , 5, 2041731414541850	4.5	150
73	Optimization of dual effects of Mg/Ca alloys on the behavior of chondrocytes and osteoblasts in vitro. <i>Progress in Natural Science: Materials International</i> , 2014 , 24, 433-440	3.6	2
72	Three Dimensional Graphene Foam/Polymer Hybrid as a High Strength Biocompatible Scaffold. <i>Advanced Functional Materials</i> , 2015 , 25, 3916-3924	15.6	92
71	Experimental and numerical measurements of adhesion energies between PHEMA and PGLYMA with hydroxyapatite crystal. <i>Bioinspiration and Biomimetics</i> , 2015 , 10, 046011	2.6	3
70	The Preparation and In Vitro Evaluations of a Nanoscaled Injectable Bone Repair Material. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-8	3.2	
69	Marine polysaccharides from algae with potential biomedical applications. <i>Marine Drugs</i> , 2015 , 13, 2967-3028	3.028	363
68	Critical review on the physical and mechanical factors involved in tissue engineering of cartilage. <i>Regenerative Medicine</i> , 2015 , 10, 665-79	2.5	37
67	Nanotechnology: A Toolkit for Cell Behavior. 2015 , 1-24		1
66	Inkjet-bioprinted acrylated peptides and PEG hydrogel with human mesenchymal stem cells promote robust bone and cartilage formation with minimal printhead clogging. <i>Biotechnology Journal</i> , 2015 , 10, 1568-77	5.6	216
65	Natural-based nanocomposites for bone tissue engineering and regenerative medicine: a review. <i>Advanced Materials</i> , 2015 , 27, 1143-69	24	565
64	Engineering complex orthopaedic tissues via strategic biomimicry. <i>Annals of Biomedical Engineering</i> , 2015 , 43, 697-717	4.7	52
63	Current Concepts and Challenges in Osteochondral Tissue Engineering and Regenerative Medicine. <i>ACS Biomaterials Science and Engineering</i> , 2015 , 1, 183-200	5.5	50
62	Biomaterials and scaffolds for musculoskeletal tissue engineering. 2015 , 3-23		15

61	Reinforcement of Mono- and Bi-layer Poly(Ethylene Glycol) Hydrogels with a Fibrous Collagen Scaffold. <i>Annals of Biomedical Engineering</i> , 2015 , 43, 2618-29	4.7	12
60	Bilayered silk/silk-nanoCaP scaffolds for osteochondral tissue engineering: In vitro and in vivo assessment of biological performance. <i>Acta Biomaterialia</i> , 2015 , 12, 227-241	10.8	115
59	The effect of interface microstructure on interfacial shear strength for osteochondral scaffolds based on biomimetic design and 3D printing. <i>Materials Science and Engineering C</i> , 2015 , 46, 10-5	8.3	38
58	In vitro generation of a multilayered osteochondral construct with an osteochondral interface using rabbit bone marrow stromal cells and a silk peptide-based scaffold. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016 , 10, 284-93	4.4	20
57	Cartilage-Bone Interface Features, Scaffold and Cell Options for Regeneration. <i>Journal of Tissue Science & Engineering</i> , 2016 , 7,		1
56	A Hydrogel Model Incorporating 3D-Plotted Hydroxyapatite for Osteochondral Tissue Engineering. <i>Materials</i> , 2016 , 9,	3.5	23
55	Fabrication and development of artificial osteochondral constructs based on cancellous bone/hydrogel hybrid scaffold. <i>Journal of Materials Science: Materials in Medicine</i> , 2016 , 27, 114	4.5	13
54	Calcified and mechanically debilitated three-dimensional hydrogel environment induces hypertrophic trend in chondrocytes. <i>Journal of Bioactive and Compatible Polymers</i> , 2016 , 31, 498-512	2	1
53	Biomimetic strategies for engineering composite tissues. <i>Current Opinion in Biotechnology</i> , 2016 , 40, 64-74	11.4	32
52	Tissue Engineering and Regenerative Medicine 2015: A Year in Review. <i>Tissue Engineering - Part B: Reviews</i> , 2016 , 22, 101-13	7.9	59
51	A review of hydrogel-based composites for biomedical applications: enhancement of hydrogel properties by addition of rigid inorganic fillers. <i>Journal of Materials Science</i> , 2016 , 51, 271-310	4.3	173
50	Three-dimensional bioprinting in tissue engineering and regenerative medicine. <i>Biotechnology Letters</i> , 2016 , 38, 203-11	3	142
49	Determination of joint loads using new sensate scaffolds for regenerating large cartilage defects in the knee. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017 , 105, 1409-1421	3.5	3
48	Effect of ceramic calcium-phosphorus ratio on chondrocyte-mediated biosynthesis and mineralization. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 2694-2702	5.4	10
47	Emerging Biofabrication Strategies for Engineering Complex Tissue Constructs. <i>Advanced Materials</i> , 2017 , 29, 1606061	24	209
46	Indentation across interfaces between stiff and compliant tissues. <i>Acta Biomaterialia</i> , 2017 , 56, 36-43	10.8	21
45	Electrochemical preparation and characterization of PNIPAM-HAP scaffolds for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2017 , 81, 156-166	8.3	40
44	A new bi-layered scaffold for osteochondral tissue regeneration: In vitro and in vivo preclinical investigations. <i>Materials Science and Engineering C</i> , 2017 , 70, 101-111	8.3	50

43	Current strategies for integrative cartilage repair. <i>Connective Tissue Research</i> , 2017 , 58, 393-406	3.3	36
42	Biomimetic Approaches for the Engineering of Osteochondral Tissues. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2017 , 187-211	0.5	
41	Application of Extrusion-Based Hydrogel Bioprinting for Cartilage Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	87
40	Inorganic polymerization: an attractive route to biocompatible hybrid hydrogels. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 3434-3448	7.3	24
39	A single integrated osteochondral in situ composite scaffold with a multi-layered functional structure. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 167, 354-363	6	16
38	3D bioactive composite scaffolds for bone tissue engineering. <i>Bioactive Materials</i> , 2018 , 3, 278-314	16.7	519
37	In vitro Chondrocyte Responses in Mg-doped Wollastonite/Hydrogel Composite Scaffolds for Osteochondral Interface Regeneration. <i>Scientific Reports</i> , 2018 , 8, 17911	4.9	18
36	Biomimetic Bacterial Cellulose-Enhanced Double-Network Hydrogel with Excellent Mechanical Properties Applied for the Osteochondral Defect Repair. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 3534-3544	5.5	47
35	Genetic Engineering of Mesenchymal Stem Cells for Differential Matrix Deposition on 3D Woven Scaffolds. <i>Tissue Engineering - Part A</i> , 2018 , 24, 1531-1544	3.9	8
34	Nanocomposite scaffolds for tissue engineering; properties, preparation and applications. 2018 , 701-735		14
33	Engineering Musculoskeletal Tissue Interfaces. <i>Frontiers in Materials</i> , 2018 , 5,	4	21
32	Biopolymer Based Interfacial Tissue Engineering for Arthritis. 2018 , 67-88		2
31	Osteochondral Differentiation of Fluorescent Multireporter Cells on Zonally-Organized Biomaterials. <i>Tissue Engineering - Part A</i> , 2019 , 25, 468-486	3.9	2
30	Inkjet dispensing technologies: recent advances for novel drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2019 , 14, 101-113	6.2	18
29	Biomedical Applications of Hydroxyapatite Nanocomposites. <i>Lecture Notes in Bioengineering</i> , 2019 , 167-204		3
28	3D bioprinting of hydrogel constructs with cell and material gradients for the regeneration of full-thickness chondral defect using a microfluidic printing head. <i>Biofabrication</i> , 2019 , 11, 044101	10.5	72
27	Nanofiber-based transforming growth factor- β release induces fibrochondrogenic differentiation of stem cells. <i>Acta Biomaterialia</i> , 2019 , 93, 111-122	10.8	24
26	Three-dimensional Bioprinting for Bone and Cartilage Restoration in Orthopaedic Surgery. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , 2019 , 27, e215-e226	4.5	57

25	Homogeneous hydroxyapatite/alginate composite hydrogel promotes calcified cartilage matrix deposition with potential for three-dimensional bioprinting. <i>Biofabrication</i> , 2018 , 11, 015015	10.5	46
24	Enzymatically Cross-Linked Silk Fibroin-Based Hierarchical Scaffolds for Osteochondral Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 3781-3799	9.5	57
23	A review of 3D bio-printing for bone and skin tissue engineering: a commercial approach. <i>Journal of Materials Science</i> , 2020 , 55, 3729-3749	4.3	40
22	3D biofabrication for soft tissue and cartilage engineering. <i>Medical Engineering and Physics</i> , 2020 , 82, 13-39	2.4	7
21	Managing bone loss in open fractures. <i>OTA International the Open Access Journal of Orthopaedic Trauma</i> , 2020 , 3, e059	0.9	5
20	Regulation of chondrocyte hypertrophy in an osteochondral interface mimicking gel matrix. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 193, 111111	6	3
19	Engineering functional tissues: in vitro culture parameters. 2020 , 157-177		1
18	Chitosan/collagen based biomimetic osteochondral tissue constructs: A growth factor-free approach. <i>International Journal of Biological Macromolecules</i> , 2020 , 156, 681-690	7.9	22
17	Current Advances on the Regeneration of Musculoskeletal Interfaces. <i>Tissue Engineering - Part B: Reviews</i> , 2021 ,	7.9	1
16	Polysaccharides as Novel Materials for Tissue Engineering Applications. 2021 , 301-324		1
15	Biomechanical Aspects of Osteochondral Regeneration: Implications and Strategies for Three-Dimensional Bioprinting. <i>Tissue Engineering - Part B: Reviews</i> , 2021 ,	7.9	0
14	Hard-Soft Tissue Interface Engineering. <i>Advances in Experimental Medicine and Biology</i> , 2015 , 881, 187-204	3.6	7
13	Enhanced healing of rat calvarial defects with MSCs loaded on BMP-2 releasing chitosan/alginate/hydroxyapatite scaffolds. <i>PLoS ONE</i> , 2014 , 9, e104061	3.7	60
12	Integration of Stem Cell to Chondrocyte-Derived Cartilage Matrix in Healthy and Osteoarthritic States in the Presence of Hydroxyapatite Nanoparticles. <i>PLoS ONE</i> , 2016 , 11, e0149121	3.7	10
11	Three-Dimensional Bioprinting in Orthopaedics. <i>JBJS Reviews</i> , 2020 , 8, e0204	2.6	6
10	Polysaccharides as cell carriers for tissue engineering: the use of cellulose in vascular wall reconstruction. <i>Physiological Research</i> , 2014 , 63, S29-47	2.1	73
9	The role of calcium crystals and their effect on osteoarthritis pathogenesis. <i>Best Practice and Research in Clinical Rheumatology</i> , 2021 , 35, 101722	5.3	1
8	3D Freeform Printing of Nanocomposite Hydrogels through Precipitation in Reactive Viscous Fluid. <i>International Journal of Bioprinting</i> , 2020 , 6, 258	6.2	13

7 Interface tissue engineering. **2022**, 683-726

6 Functional tissue engineering of articular cartilage for biological joint resurfacing-The 2021 Elizabeth Winston Lanier Kappa Delta Award. *Journal of Orthopaedic Research*, **2021**, 3.8

5 Nanotechnology: A Toolkit for Cell Behavior. **2015**, 3-32

4 Integrated gradient tissue-engineered osteochondral scaffolds: Challenges, current efforts and future perspectives. *Bioactive Materials*, **2023**, 20, 574-597 16.7 5

3 Roles of the calcified cartilage layer and its tissue engineering reconstruction in osteoarthritis treatment. 10, 0

2 Cellular therapy and tissue engineering for cartilage repair. **2022**, 1

1 A Doubly Fmoc-Protected Aspartic Acid Self-Assembles into Hydrogels Suitable for Bone Tissue Engineering. **2022**, 15, 8928 0