

List of Publications by Citations

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

35 papers	3,893 citations	20 h-index	37 g-index
37 ext. papers	4,569 ext. citations	12.1 avg, IF	6.02 L-index

#	Paper	IF	Citations
35	Thermoresponsive hydrogels in biomedical applications. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2008</b> , 68, 34-45	5.7	931
34	Electrospun poly(epsilon-caprolactone) microfiber and multilayer nanofiber/microfiber scaffolds: characterization of scaffolds and measurement of cellular infiltration. <i>Biomacromolecules</i> , <b>2006</b> , 7, 2796-805	6.9	763
33	Strategies for controlled delivery of growth factors and cells for bone regeneration. <i>Advanced Drug Delivery Reviews</i> , <b>2012</b> , 64, 1292-309	18.5	470
32	Dual delivery of an angiogenic and an osteogenic growth factor for bone regeneration in a critical size defect model. <i>Bone</i> , <b>2008</b> , 43, 931-40	4.7	461
31	Materials design for bone-tissue engineering. <i>Nature Reviews Materials</i> , <b>2020</b> , 5, 584-603	73.3	293
30	In vitro release of transforming growth factor-beta 1 from gelatin microparticles encapsulated in biodegradable, injectable oligo(poly(ethylene glycol) fumarate) hydrogels. <i>Journal of Controlled Release</i> , <b>2003</b> , 91, 299-313	11.7	181
29	Injectable dual-gelling cell-laden composite hydrogels for bone tissue engineering. <i>Biomaterials</i> , <b>2016</b> , 83, 1-11	15.6	94
28	Synthesis of poly(L-lactide) and polyglycolide by ring-opening polymerization. <i>Nature Protocols</i> , <b>2007</b> , 2, 2767-71	18.8	94
27	Polymeric Systems for Bioprinting. <i>Chemical Reviews</i> , <b>2020</b> , 120, 10744-10792	68.1	68
26	Synthesis and characterization of thermally and chemically gelling injectable hydrogels for tissue engineering. <i>Biomacromolecules</i> , <b>2012</b> , 13, 1908-15	6.9	62
25	Modular, tissue-specific, and biodegradable hydrogel cross-linkers for tissue engineering. <i>Science Advances</i> , <b>2019</b> , 5, eaaw7396	14.3	53
24	In vitro and in vivo evaluation of self-mineralization and biocompatibility of injectable, dual-gelling hydrogels for bone tissue engineering. <i>Journal of Controlled Release</i> , <b>2015</b> , 205, 25-34	11.7	49
23	Synthesis, physicochemical characterization, and cytocompatibility of bioresorbable, dual-gelling injectable hydrogels. <i>Biomacromolecules</i> , <b>2014</b> , 15, 132-42	6.9	46
22	Synthesis and characterization of injectable, biodegradable, phosphate-containing, chemically cross-linkable, thermoresponsive macromers for bone tissue engineering. <i>Biomacromolecules</i> , <b>2014</b> , 15, 1788-96	6.9	41
21	Osteochondral defect repair using bilayered hydrogels encapsulating both chondrogenically and osteogenically pre-differentiated mesenchymal stem cells in a rabbit model. <i>Osteoarthritis and Cartilage</i> , <b>2014</b> , 22, 1291-300	6.2	38
20	Biodegradable thermoresponsive polymers: Applications in drug delivery and tissue engineering. <i>Polymer</i> , <b>2020</b> , 211, 123063	3.9	38
19	In vivo bioreactors for mandibular reconstruction. <i>Journal of Dental Research</i> , <b>2014</b> , 93, 1196-202	8.1	34

18	Degradation and biocompatibility of a poly(propylene fumarate)-based/alumoxane nanocomposite for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2007</b> , 83, 940-953	5.4	34
17	Fabrication and Characterization of Electrospun Decellularized Muscle-Derived Scaffolds. <i>Tissue Engineering - Part C: Methods</i> , <b>2019</b> , 25, 276-287	2.9	27
16	Biomacromolecules for Tissue Engineering: Emerging Biomimetic Strategies. <i>Biomacromolecules</i> , <b>2019</b> , 20, 2904-2912	6.9	22
15	Advances in biomaterials for skeletal muscle engineering and obstacles still to overcome. <i>Materials Today Bio</i> , <b>2020</b> , 7, 100069	9.9	18
14	Click functionalized, tissue-specific hydrogels for osteochondral tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2020</b> , 108, 684-693	5.4	12
13	TISSUE ENGINEERING PERFUSABLE CANCER MODELS. <i>Current Opinion in Chemical Engineering</i> , <b>2014</b> , 3, 112-117	5.4	11
12	Microfluidic devices for disease modeling in muscle tissue. <i>Biomaterials</i> , <b>2019</b> , 198, 250-258	15.6	11
11	A rapid, flexible method for incorporating controlled antibiotic release into porous polymethylmethacrylate space maintainers for craniofacial reconstruction. <i>Biomaterials Science</i> , <b>2016</b> , 4, 121-9	7.4	7
10	Synthesis of Injectable, Thermally Responsive, Chondroitin Sulfate-Cross-Linked Poly(-isopropylacrylamide) Hydrogels. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 6405-6413	5.5	7
9	Bioinspired electrospun dECM scaffolds guide cell growth and control the formation of myotubes. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	6
8	Polymer concepts in tissue engineering <b>1998</b> , 43, 422		5
7	Three-Dimensional Printing of Click Functionalized, Peptide Patterned Scaffolds for Osteochondral Tissue Engineering. <i>Bioprinting</i> , <b>2021</b> , 22, e00136-e00136	7	3
6	Development of a modular, biocompatible thiolated gelatin microparticle platform for drug delivery and tissue engineering applications. <i>International Journal of Energy Production and Management</i> , <b>2021</b> , 8, rbab012	5.3	3
5	Bilayered, peptide-biofunctionalized hydrogels for in vivo osteochondral tissue repair. <i>Acta Biomaterialia</i> , <b>2021</b> , 128, 120-129	10.8	3
4	Evaluating the physicochemical effects of conjugating peptides into thermogelling hydrogels for regenerative biomaterials applications.. <i>International Journal of Energy Production and Management</i> , <b>2021</b> , 8, rbab073	5.3	2
3	Stem cell-homing hydrogel-based miR-29b-5p delivery promotes cartilage regeneration by suppressing senescence in an osteoarthritis rat model.. <i>Science Advances</i> , <b>2022</b> , 8, eabk0011	14.3	2
2	A dual-gelling poly(-isopropylacrylamide)-based ink and thermoreversible poloxamer support bath for high-resolution bioprinting.. <i>Bioactive Materials</i> , <b>2022</b> , 14, 302-312	16.7	1
1	Immunosuppressed Adult Zebrafish Model of Mucormycosis. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2018</b> , 62,	5.9	1

