Jason Guo

List of Publications by Year in Descending Order

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	A dual-gelling poly(-isopropylacrylamide)-based ink and thermoreversible poloxamer support bath for high-resolution bioprinting.. *Bioactive Materials*, **2022**, 14, 302-312	16.7	1
34	Stem cell-homing hydrogel-based miR-29b-5p delivery promotes cartilage regeneration by suppressing senescence in an osteoarthritis rat model.. *Science Advances*, **2022**, 8, eabk0011	14.3	2
33	Evaluating the physicochemical effects of conjugating peptides into thermogelling hydrogels for regenerative biomaterials applications.. *International Journal of Energy Production and Management* , **2021**, 8, rbab073	5.3	2
32	Bioinspired electrospun dECM scaffolds guide cell growth and control the formation of myotubes. *Science Advances*, **2021**, 7,	14.3	6
31	Three-Dimensional Printing of Click Functionalized, Peptide Patterned Scaffolds for Osteochondral Tissue Engineering. *Bioprinting*, **2021**, 22, e00136-e00136	7	3
30	Development of a modular, biocompatible thiolated gelatin microparticle platform for drug delivery and tissue engineering applications. *International Journal of Energy Production and Management*, **2021**, 8, rbab012	5.3	3
29	Bilayered, peptide-biofunctionalized hydrogels for in vivo osteochondral tissue repair. *Acta Biomaterialia*, **2021**, 128, 120-129	10.8	3
28	Polymeric Systems for Bioprinting. *Chemical Reviews*, **2020**, 120, 10744-10792	68.1	68
27	Materials design for bone-tissue engineering. *Nature Reviews Materials*, **2020**, 5, 584-603	73.3	293
26	Click functionalized, tissue-specific hydrogels for osteochondral tissue engineering. *Journal of Biomedical Materials Research - Part A*, **2020**, 108, 684-693	5.4	12
25	Biodegradable thermoresponsive polymers: Applications in drug delivery and tissue engineering. *Polymer*, **2020**, 211, 123063	3.9	38
24	Advances in biomaterials for skeletal muscle engineering and obstacles still to overcome. *Materials Today Bio*, **2020**, 7, 100069	9.9	18
23	Modular, tissue-specific, and biodegradable hydrogel cross-linkers for tissue engineering. *Science Advances*, **2019**, 5, eaaw7396	14.3	53
22	Fabrication and Characterization of Electrospun Decellularized Muscle-Derived Scaffolds. *Tissue Engineering - Part C: Methods*, **2019**, 25, 276-287	2.9	27
21	Biomacromolecules for Tissue Engineering: Emerging Biomimetic Strategies. *Biomacromolecules*, **2019**, 20, 2904-2912	6.9	22
20	Synthesis of Injectable, Thermally Responsive, Chondroitin Sulfate-Cross-Linked Poly(-isopropylacrylamide) Hydrogels. *ACS Biomaterials Science and Engineering*, **2019**, 5, 6405-6413	5.5	7
19	Microfluidic devices for disease modeling in muscle tissue. *Biomaterials*, **2019**, 198, 250-258	15.6	11

18	Immunosuppressed Adult Zebrafish Model of Mucormycosis. *Antimicrobial Agents and Chemotherapy*, **2018**, 62,	5.9	1
17	Injectable dual-gelling cell-laden composite hydrogels for bone tissue engineering. *Biomaterials*, **2016**, 83, 1-11	15.6	94
16	A rapid, flexible method for incorporating controlled antibiotic release into porous polymethylmethacrylate space maintainers for craniofacial reconstruction. *Biomaterials Science*, **2016**, 4, 121-9	7.4	7
15	In vitro and in vivo evaluation of self-mineralization and biocompatibility of injectable, dual-gelling hydrogels for bone tissue engineering. *Journal of Controlled Release*, **2015**, 205, 25-34	11.7	49
14	TISSUE ENGINEERING PERFUSABLE CANCER MODELS. *Current Opinion in Chemical Engineering*, **2014**, 3, 112-117	5.4	11
13	Synthesis, physicochemical characterization, and cytocompatibility of bioresorbable, dual-gelling injectable hydrogels. *Biomacromolecules*, **2014**, 15, 132-42	6.9	46
12	Synthesis and characterization of injectable, biodegradable, phosphate-containing, chemically cross-linkable, thermoresponsive macromers for bone tissue engineering. *Biomacromolecules*, **2014** , 15, 1788-96	6.9	41
11	Osteochondral defect repair using bilayered hydrogels encapsulating both chondrogenically and osteogenically pre-differentiated mesenchymal stem cells in a rabbit model. *Osteoarthritis and Cartilage*, **2014**, 22, 1291-300	6.2	38
10	In vivo bioreactors for mandibular reconstruction. *Journal of Dental Research*, **2014**, 93, 1196-202	8.1	34
9	Synthesis and characterization of thermally and chemically gelling injectable hydrogels for tissue engineering. *Biomacromolecules*, **2012**, 13, 1908-15	6.9	62
8	Strategies for controlled delivery of growth factors and cells for bone regeneration. *Advanced Drug Delivery Reviews*, **2012**, 64, 1292-309	18.5	470
7	Dual delivery of an angiogenic and an osteogenic growth factor for bone regeneration in a critical size defect model. *Bone*, **2008**, 43, 931-40	4.7	461
6	Thermoresponsive hydrogels in biomedical applications. *European Journal of Pharmaceutics and Biopharmaceutics*, **2008**, 68, 34-45	5.7	931
5	Degradation and biocompatibility of a poly(propylene fumarate)-based/alumoxane nanocomposite for bone tissue engineering. *Journal of Biomedical Materials Research - Part A*, **2007**, 83, 940-953	5.4	34
4	Synthesis of poly(L-lactide) and polyglycolide by ring-opening polymerization. *Nature Protocols*, **2007**, 2, 2767-71	18.8	94
3	Electrospun poly(epsilon-caprolactone) microfiber and multilayer nanofiber/microfiber scaffolds: characterization of scaffolds and measurement of cellular infiltration. *Biomacromolecules*, **2006**, 7, 2796-805	6.8	763
2	In vitro release of transforming growth factor-beta 1 from gelatin microparticles encapsulated in biodegradable, injectable oligo(poly(ethylene glycol) fumarate) hydrogels. *Journal of Controlled Release*, **2003**, 91, 299-313	11.7	181
1	Polymer concepts in tissue engineering **1998**, 43, 422		5