

Meng Deng

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38
papers

1,212
citations

19
h-index

34
g-index

39
ext. papers

1,384
ext. citations

7.6
avg, IF

4.14
L-index

#	Paper	IF	Citations
38	Chitosan-poly(lactide-co-glycolide) microsphere-based scaffolds for bone tissue engineering: in vitro degradation and in vivo bone regeneration studies. <i>Acta Biomaterialia</i> , 2010 , 6, 3457-70	10.8	129
37	Biomimetic Structures: Biological Implications of Dipeptide-Substituted Polyphosphazene/Polyester Blend Nanofiber Matrices for Load-Bearing Bone Regeneration. <i>Advanced Functional Materials</i> , 2011 , 21, 2641-2651	15.6	114
36	Polyphosphazene polymers for tissue engineering: an analysis of material synthesis, characterization and applications. <i>Soft Matter</i> , 2010 , 6, 3119	3.6	111
35	Micro- and nanofabrication of chitosan structures for regenerative engineering. <i>Acta Biomaterialia</i> , 2014 , 10, 1632-45	10.8	84
34	Miscibility and in vitro osteocompatibility of biodegradable blends of poly[(ethyl alanato) (p-phenyl phenoxy) phosphazene] and poly(lactic acid-glycolic acid). <i>Biomaterials</i> , 2008 , 29, 337-49	15.6	83
33	Dipeptide-based polyphosphazene and polyester blends for bone tissue engineering. <i>Biomaterials</i> , 2010 , 31, 4898-908	15.6	80
32	Nanostructured polymeric scaffolds for orthopaedic regenerative engineering. <i>IEEE Transactions on Nanobioscience</i> , 2012 , 11, 3-14	3.4	67
31	In situ Porous Structures: A Unique Polymer Erosion Mechanism in Biodegradable Dipeptide-Based Polyphosphazene and Polyester Blends Producing Matrices for Regenerative Engineering. <i>Advanced Functional Materials</i> , 2010 , 20, 2794-2806	15.6	49
30	Nanocomposites and bone regeneration. <i>Frontiers of Materials Science</i> , 2011 , 5, 342-357	2.5	48
29	Polyphosphazene functionalized polyester fiber matrices for tendon tissue engineering: in vitro evaluation with human mesenchymal stem cells. <i>Biomedical Materials (Bristol)</i> , 2012 , 7, 045016	3.5	46
28	Design and optimization of polyphosphazene functionalized fiber matrices for soft tissue regeneration. <i>Journal of Biomedical Nanotechnology</i> , 2012 , 8, 107-24	4	43
27	Biomimetic, bioactive etheric polyphosphazene-poly(lactide-co-glycolide) blends for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 92, 114-25	5.4	41
26	VEGF-incorporated biomimetic poly(lactide-co-glycolide) sintered microsphere scaffolds for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012 , 100, 2187-96	3.5	34
25	Harnessing Fiber Diameter-Dependent Effects of Myoblasts Toward Biomimetic Scaffold-Based Skeletal Muscle Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 203	5.8	32
24	Simple signaling molecules for inductive bone regenerative engineering. <i>PLoS ONE</i> , 2014 , 9, e101627	3.7	29
23	Dibenzazepine-Loaded Nanoparticles Induce Local Browning of White Adipose Tissue to Counteract Obesity. <i>Molecular Therapy</i> , 2017 , 25, 1718-1729	11.7	27
22	Nano-ceramic composite scaffolds for bioreactor-based bone engineering. <i>Clinical Orthopaedics and Related Research</i> , 2013 , 471, 2422-33	2.2	24

21	In Situ Porous Structures: A Unique Polymer Erosion Mechanism in Biodegradable Dipeptide-based Polyphosphazene and Polyester Blends Producing Matrices for Regenerative Engineering. <i>Advanced Functional Materials</i> , 2010 , 20, 2743-2957	15.6	21
20	Polymeric Electrospinning for Musculoskeletal Regenerative Engineering. <i>Regenerative Engineering and Translational Medicine</i> , 2016 , 2, 69-84	2.4	20
19	Novel Polymer-Ceramics for Bone Repair and Regeneration. <i>Recent Patents on Biomedical Engineering</i> , 2011 , 4, 168-184		16
18	Electrospinning Induced Orientation of Protein Fibrils. <i>Biomacromolecules</i> , 2020 , 21, 2772-2785	6.9	14
17	Polymeric Carriers for Controlled Drug Delivery in Obesity Treatment. <i>Trends in Endocrinology and Metabolism</i> , 2019 , 30, 974-989	8.8	14
16	Bioinspired glycosaminoglycan hydrogels via click chemistry for 3D dynamic cell encapsulation. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47212	2.9	11
15	Biomimetic glycosaminoglycan-based scaffolds improve skeletal muscle regeneration in a Murine volumetric muscle loss model. <i>Bioactive Materials</i> , 2021 , 6, 1201-1213	16.7	10
14	Peripheral Neuropathy and Hindlimb Paralysis in a Mouse Model of Adipocyte-Specific Knockout of Lkb1. <i>EBioMedicine</i> , 2017 , 24, 127-136	8.8	8
13	Biodegradable Polymeric Microsphere-Based Drug Delivery for Inductive Browning of Fat. <i>Frontiers in Endocrinology</i> , 2015 , 6, 169	5.7	8
12	Nanoparticle-Mediated Inhibition of Notch Signaling Promotes Mitochondrial Biogenesis and Reduces Subcutaneous Adipose Tissue Expansion in Pigs. <i>IScience</i> , 2020 , 23, 101167	6.1	8
11	Monitoring focal adhesion kinase phosphorylation dynamics in live cells. <i>Analyst, The</i> , 2017 , 142, 2713-2716		7
10	Biodegradable Polyphosphazene Blends for Biomedical Applications		7
9	Polymeric nanoparticles functionalized with muscle-homing peptides for targeted delivery of phosphatase and tensin homolog inhibitor to skeletal muscle. <i>Acta Biomaterialia</i> , 2020 , 118, 196-206	10.8	5
8	PTEN Inhibition Ameliorates Muscle Degeneration and Improves Muscle Function in a Mouse Model of Duchenne Muscular Dystrophy. <i>Molecular Therapy</i> , 2021 , 29, 132-148	11.7	5
7	Chitosan-Based Biopharmaceutical Scaffolds in Tissue Engineering and Regenerative Medicine 2012 , 393-427		4
6	Harnessing nerve-muscle cell interactions for biomaterials-based skeletal muscle regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2021 , 109, 289-299	5.4	4
5	Evaluation of 25% Poloxamer As a Slow Release Carrier for Morphine in a Rat Model. <i>Frontiers in Veterinary Science</i> , 2018 , 5, 19	3.1	2
4	Poly(lactide-co-glycolide)-Hydroxyapatite Composites: The Development of Osteoinductive Scaffolds for Bone Regenerative Engineering. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1417, 8		2

3	Lipid droplet dynamics regulate adult muscle stem cell fate.. <i>Cell Reports</i> , 2022 , 38, 110267	10.6	1
2	In Vitro Evaluation of Clinical Candidates of β Secretase Inhibitors: Effects on Notch Inhibition and Promoting Beige Adipogenesis and Mitochondrial Biogenesis. <i>Pharmaceutical Research</i> , 2020 , 37, 185	4.5	1
1	Modular solid dosage form design - Application to pH-independent release of a weak-base API. <i>International Journal of Pharmaceutics</i> , 2021 , 601, 120518	6.5	