Meng Deng

List of Publications by Year in Descending Order

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	Lipid droplet dynamics regulate adult muscle stem cell fate.. *Cell Reports*, **2022**, 38, 110267	10.6	1
37	Modular solid dosage form design - Application to pH-independent release of a weak-base API. *International Journal of Pharmaceutics*, **2021**, 601, 120518	6.5	
36	Harnessing nerve-muscle cell interactions for biomaterials-based skeletal muscle regeneration. *Journal of Biomedical Materials Research - Part A*, **2021**, 109, 289-299	5.4	4
35	Biomimetic glycosaminoglycan-based scaffolds improve skeletal muscle regeneration in a Murine volumetric muscle loss model. *Bioactive Materials*, **2021**, 6, 1201-1213	16.7	10
34	PTEN Inhibition Ameliorates Muscle Degeneration and Improves Muscle Function in a Mouse Model of Duchenne Muscular Dystrophy. *Molecular Therapy*, **2021**, 29, 132-148	11.7	5
33	Electrospinning Induced Orientation of Protein Fibrils. *Biomacromolecules*, **2020**, 21, 2772-2785	6.9	14
32	Harnessing Fiber Diameter-Dependent Effects of Myoblasts Toward Biomimetic Scaffold-Based Skeletal Muscle Regeneration. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 203	5.8	32
31	Nanoparticle-Mediated Inhibition of Notch Signaling Promotes Mitochondrial Biogenesis and Reduces Subcutaneous Adipose Tissue Expansion in Pigs. *IScience*, **2020**, 23, 101167	6.1	8
30	Polymeric nanoparticles functionalized with muscle-homing peptides for targeted delivery of phosphatase and tensin homolog inhibitor to skeletal muscle. *Acta Biomaterialia*, **2020**, 118, 196-206	10.8	5
29	In Vitro Evaluation of Clinical Candidates of Secretase Inhibitors: Effects on Notch Inhibition and Promoting Beige Adipogenesis and Mitochondrial Biogenesis. *Pharmaceutical Research*, **2020**, 37, 185	4.5	1
28	Polymeric Carriers for Controlled Drug Delivery in Obesity Treatment. *Trends in Endocrinology and Metabolism*, **2019**, 30, 974-989	8.8	14
27	Bioinspired glycosaminoglycan hydrogels via click chemistry for 3D dynamic cell encapsulation. *Journal of Applied Polymer Science*, **2019**, 136, 47212	2.9	11
26	Evaluation of 25% Poloxamer As a Slow Release Carrier for Morphine in a Rat Model. *Frontiers in Veterinary Science*, **2018**, 5, 19	3.1	2
25	Dibenzazepine-Loaded Nanoparticles Induce Local Browning of White Adipose Tissue to Counteract Obesity. *Molecular Therapy*, **2017**, 25, 1718-1729	11.7	27
24	Monitoring focal adhesion kinase phosphorylation dynamics in live cells. *Analyst, The*, **2017**, 142, 2713-2716	5	7
23	Peripheral Neuropathy and Hindlimb Paralysis in a Mouse Model of Adipocyte-Specific Knockout of Lkb1. *EBioMedicine*, **2017**, 24, 127-136	8.8	8
22	Polymeric Electrospinning for Musculoskeletal Regenerative Engineering. *Regenerative Engineering and Translational Medicine*, **2016**, 2, 69-84	2.4	20

21	Biodegradable Polymeric Microsphere-Based Drug Delivery for Inductive Browning of Fat. *Frontiers in Endocrinology*, **2015**, 6, 169	5.7	8
20	Micro- and nanofabrication of chitosan structures for regenerative engineering. *Acta Biomaterialia*, **2014**, 10, 1632-45	10.8	84
19	Simple signaling molecules for inductive bone regenerative engineering. *PLoS ONE*, **2014**, 9, e101627	3.7	29
18	Nano-ceramic composite scaffolds for bioreactor-based bone engineering. *Clinical Orthopaedics and Related Research*, **2013**, 471, 2422-33	2.2	24
17	Nanostructured polymeric scaffolds for orthopaedic regenerative engineering. *IEEE Transactions on Nanobioscience*, **2012**, 11, 3-14	3.4	67
16	Polyphosphazene functionalized polyester fiber matrices for tendon tissue engineering: in vitro evaluation with human mesenchymal stem cells. *Biomedical Materials (Bristol)*, **2012**, 7, 045016	3.5	46
15	VEGF-incorporated biomimetic poly(lactide-co-glycolide) sintered microsphere scaffolds for bone tissue engineering. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2012**, 100, 2187-96	3.5	34
14	Chitosan-Based Biopharmaceutical Scaffolds in Tissue Engineering and Regenerative Medicine **2012**, 393-427		4
13	Design and optimization of polyphosphazene functionalized fiber matrices for soft tissue regeneration. *Journal of Biomedical Nanotechnology*, **2012**, 8, 107-24	4	43
12	Poly(lactide-co-glycolide)-Hydroxyapatite Composites: The Development of Osteoinductive Scaffolds for Bone Regenerative Engineering. *Materials Research Society Symposia Proceedings*, **2012**, 1417, 8		2
11	Nanocomposites and bone regeneration. *Frontiers of Materials Science*, **2011**, 5, 342-357	2.5	48
10	Biomimetic Structures: Biological Implications of Dipeptide-Substituted Polyphosphazene–Polyester Blend Nanofiber Matrices for Load-Bearing Bone Regeneration. *Advanced Functional Materials*, **2011**, 21, 2641-2651	15.6	114
9	Novel Polymer-Ceramics for Bone Repair and Regeneration. *Recent Patents on Biomedical Engineering*, **2011**, 4, 168-184		16
8	Polyphosphazene polymers for tissue engineering: an analysis of material synthesis, characterization and applications. *Soft Matter*, **2010**, 6, 3119	3.6	111
7	Biomimetic, bioactive etheric polyphosphazene-poly(lactide-co-glycolide) blends for bone tissue engineering. *Journal of Biomedical Materials Research - Part A*, **2010**, 92, 114-25	5.4	41
6	In situ Porous Structures: A Unique Polymer Erosion Mechanism in Biodegradable Dipeptide-Based Polyphosphazene and Polyester Blends Producing Matrices for Regenerative Engineering. *Advanced Functional Materials*, **2010**, 20, 2794-2806	15.6	49
5	In Situ Porous Structures: A Unique Polymer Erosion Mechanism in Biodegradable Dipeptide-based Polyphosphazene and Polyester Blends Producing Matrices for Regenerative Engineering. *Advanced Functional Materials*, **2010**, 20, 2743-2957	15.6	21
4	Chitosan-poly(lactide-co-glycolide) microsphere-based scaffolds for bone tissue engineering: in vitro degradation and in vivo bone regeneration studies. *Acta Biomaterialia*, **2010**, 6, 3457-70	10.8	129

3	Dipeptide-based polyphosphazene and polyester blends for bone tissue engineering. *Biomaterials*, **2010**, 31, 4898-908	15.6	80
2	Miscibility and in vitro osteocompatibility of biodegradable blends of poly[(ethyl alanato) (p-phenyl phenoxy) phosphazene] and poly(lactic acid-glycolic acid). *Biomaterials*, **2008**, 29, 337-49	15.6	83
1	Biodegradable Polyphosphazene Blends for Biomedical Applications139-154		7