David Mooney

List of Publications by Year in Descending Order

27 papers	2,298 citations	22 h-index	27 g-index
27 ext. papers	2,500 ext. citations	8.9 avg, IF	4.18 L-index

#	Paper	IF	Citations
27	Improved magnetic regulation of delivery profiles from ferrogels. *Biomaterials*, **2018**, 161, 179-189	15.6	35
26	RNA-seq reveals diverse effects of substrate stiffness on mesenchymal stem cells. *Biomaterials*, **2018**, 181, 182-188	15.6	40
25	Substrate Stress-Relaxation Regulates Scaffold Remodeling and Bone Formation In Vivo. *Advanced Healthcare Materials*, **2017**, 6, 1601185	10.1	68
24	Sequential release of nanoparticle payloads from ultrasonically burstable capsules. *Biomaterials*, **2016**, 75, 91-101	15.6	37
23	3D Printed Microtransporters: Compound Micromachines for Spatiotemporally Controlled Delivery of Therapeutic Agents. *Advanced Materials*, **2015**, 27, 6644-50	24	148
22	Minimally invasive approach to the repair of injured skeletal muscle with a shape-memory scaffold. *Molecular Therapy*, **2014**, 22, 1441-1449	11.7	70
21	An integrated microrobotic platform for on-demand, targeted therapeutic interventions. *Advanced Materials*, **2014**, 26, 952-7	24	200
20	Rapid and extensive collapse from electrically responsive macroporous hydrogels. *Advanced Healthcare Materials*, **2014**, 3, 500-7	10.1	32
19	Design and fabrication of a biodegradable, covalently crosslinked shape-memory alginate scaffold for cell and growth factor delivery. *Tissue Engineering - Part A*, **2012**, 18, 2000-7	3.9	87
18	Tissue-engineered spleen protects against overwhelming pneumococcal sepsis in a rodent model. *Journal of Surgical Research*, **2008**, 149, 214-8	2.5	22
17	Growth, differentiation, transplantation and survival of human skeletal myofibers on biodegradable scaffolds. *Biomaterials*, **2008**, 29, 75-84	15.6	73
16	Engineering Smooth Muscle **2007**, 24-1-24-14		
15	Tissue engineering of a small hand phalanx with a porously casted polylactic acid-polyglycolic acid copolymer. *Tissue Engineering*, **2006**, 12, 2675-83		20
14	Nanoscale RGD Peptide Organization Regulates Cell Proliferation and Differentiation. *Materials Research Society Symposia Proceedings*, **2004**, 845, 59		
13	Nanoscale Adhesion Ligand Organization Regulates Osteoblast Proliferation and Differentiation. *Nano Letters*, **2004**, 4, 1501-1506	11.5	154
12	Tissue-engineered neomucosa: morphology, enterocyte dynamics, and SGLT1 expression topography. *Transplantation*, **2003**, 75, 181-5	1.8	33
11	Tissue-engineered large intestine resembles native colon with appropriate in vitro physiology and architecture. *Annals of Surgery*, **2003**, 238, 35-41	7.8	86

10	Tissue-engineered colon exhibits function in vivo. *Surgery*, **2002**, 132, 200-4	3.6	59
9	Long-term follow-up of tissue-engineered intestine after anastomosis to native small bowel. *Transplantation*, **2000**, 69, 1927-32	1.8	55
8	Successful anastomosis between tissue-engineered intestine and native small bowel. *Transplantation*, **1999**, 67, 241-5	1.8	29
7	Studies of brush border enzymes, basement membrane components, and electrophysiology of tissue-engineered neointestine. *Journal of Pediatric Surgery*, **1998**, 33, 991-6; discussion 996-7	2.6	86
6	Functional Viability of Chondrocytes Stored at 4 degrees C. *Tissue Engineering*, **1996**, 2, 75-81		3
5	Cellular tensegrity: exploring how mechanical changes in the cytoskeleton regulate cell growth, migration, and tissue pattern during morphogenesis. *International Review of Cytology*, **1994**, 150, 173-224		335
4	The mesentery as a laminated vascular bed for hepatocyte transplantation. *Cell Transplantation*, **1994**, 3, 273-81	4	49
3	Cartilage Engineered in Predetermined Shapes Employing Cell Transplantation on Synthetic Biodegradable Polymers. *Plastic and Reconstructive Surgery*, **1994**, 94, 233-237	2.7	172
2	Mechanochemical Transduction across Extracellular Matrix and through the Cytoskeleton **1993**, 61-79		11
1	Switching from differentiation to growth in hepatocytes: control by extracellular matrix. *Journal of Cellular Physiology*, **1992**, 151, 497-505	7	394