David Mooney

List of Publications by Year
in descending order

27	2,745	304368	610482
papers	citations	22 h-index	24 g-index

27	27	27	3266
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Switching from differentiation to growth in hepatocytes: Control by extracellular matrix. Journal of Cellular Physiology, 1992, 151, 497-505.	2.0	449
2	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.	6.2	386
3	An Integrated Microrobotic Platform for Onâ€Demand, Targeted Therapeutic Interventions. Advanced Materials, 2014, 26, 952-957.	11.1	259
4	Cartilage Engineered in Predetermined Shapes Employing Cell Transplantation on Synthetic Biodegradable Polymers. Plastic and Reconstructive Surgery, 1994, 94, 233-237.	0.7	192
5	3D Printed Microtransporters: Compound Micromachines for Spatiotemporally Controlled Delivery of Therapeutic Agents. Advanced Materials, 2015, 27, 6644-6650.	11.1	192
6	Nanoscale Adhesion Ligand Organization Regulates Osteoblast Proliferation and Differentiation. Nano Letters, 2004, 4, 1501-1506.	4.5	164
7	Substrate Stressâ€Relaxation Regulates Scaffold Remodeling and Bone Formation In Vivo. Advanced Healthcare Materials, 2017, 6, 1601185.	3.9	104
8	Studies of brush border enzymes, basement membrane components, and electrophysiology of tissue-engineered neointestine. Journal of Pediatric Surgery, 1998, 33, 991-997.	0.8	100
9	Tissue-Engineered Large Intestine Resembles Native Colon With Appropriate In Vitro Physiology and Architecture. Annals of Surgery, 2003, 238, 35-41.	2.1	100
10	Design and Fabrication of a Biodegradable, Covalently Crosslinked Shape-Memory Alginate Scaffold for Cell and Growth Factor Delivery. Tissue Engineering - Part A, 2012, 18, 2000-2007.	1.6	99
11	Growth, differentiation, transplantation and survival of human skeletal myofibers on biodegradable scaffolds. Biomaterials, 2008, 29, 75-84.	5.7	87
12	Minimally Invasive Approach to the Repair of Injured Skeletal Muscle With a Shape-memory Scaffold. Molecular Therapy, 2014, 22, 1441-1449.	3.7	78
13	LONG-TERM FOLLOW-UP OF TISSUE-ENGINEERED INTESTINE AFTER ANASTOMOSIS TO NATIVE SMALL BOWEL12. Transplantation, 2000, 69, 1927-1932.	0.5	66
14	Tissue-engineered colon exhibits function in vivo. Surgery, 2002, 132, 200-204.	1.0	65
15	RNA-seq reveals diverse effects of substrate stiffness on mesenchymal stem cells. Biomaterials, 2018, 181, 182-188.	5.7	64
16	The Mesentery as a Laminated Vascular Bed for Hepatocyte Transplantation. Cell Transplantation, 1994, 3, 273-281.	1.2	59
17	Improved magnetic regulation of delivery profiles from ferrogels. Biomaterials, 2018, 161, 179-189.	5.7	47
18	Sequential release of nanoparticle payloads from ultrasonically burstable capsules. Biomaterials, 2016, 75, 91-101.	5.7	45

#	Article	IF	Citations
19	Rapid and Extensive Collapse from Electrically Responsive Macroporous Hydrogels. Advanced Healthcare Materials, 2014, 3, 500-507.	3.9	40
20	Tissue-engineered neomucosa: morphology, enterocyte dynamics, and SGLT1 expression topography1. Transplantation, 2003, 75, 181-185.	0.5	38
21	SUCCESSFUL ANASTOMOSIS BETWEEN TISSUE-ENGINEERED INTESTINE AND NATIVE SMALL BOWEL1,2. Transplantation, 1999, 67, 241-245.	0.5	38
22	Tissue-Engineered Spleen Protects Against Overwhelming Pneumococcal Sepsis in a Rodent Model. Journal of Surgical Research, 2008, 149, 214-218.	0.8	24
23	Tissue Engineering of a Small Hand Phalanx with a Porously Casted Polylactic Acidâ€“Polyglycolic Acid Copolymer. Tissue Engineering, 2006, 12, 2675-2683.	4.9	23
24	Mechanochemical Transduction across Extracellular Matrix and through the Cytoskeleton. , 1993, , 61-79.		22
25	Functional Viability of Chondrocytes Stored at 4Â°C. Tissue Engineering, 1996, 2, 75-81.	4.9	4
26	Nanoscale RGD Peptide Organization Regulates Cell Proliferation and Differentiation. Materials Research Society Symposia Proceedings, 2004, 845, 59.	0.1	0
27	Engineering Smooth Muscle. , 2007, , 24-1-24-14.		0