

David Mooney

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Switching from differentiation to growth in hepatocytes: control by extracellular matrix. <i>Journal of Cellular Physiology</i> , 1992 , 151, 497-505	7	394
26	Cellular tensegrity: exploring how mechanical changes in the cytoskeleton regulate cell growth, migration, and tissue pattern during morphogenesis. <i>International Review of Cytology</i> , 1994 , 150, 173-224		335
25	An integrated microrobotic platform for on-demand, targeted therapeutic interventions. <i>Advanced Materials</i> , 2014 , 26, 952-7	24	200
24	Cartilage Engineered in Predetermined Shapes Employing Cell Transplantation on Synthetic Biodegradable Polymers. <i>Plastic and Reconstructive Surgery</i> , 1994 , 94, 233-237	2.7	172
23	Nanoscale Adhesion Ligand Organization Regulates Osteoblast Proliferation and Differentiation. <i>Nano Letters</i> , 2004 , 4, 1501-1506	11.5	154
22	3D Printed Microtransporters: Compound Micromachines for Spatiotemporally Controlled Delivery of Therapeutic Agents. <i>Advanced Materials</i> , 2015 , 27, 6644-50	24	148
21	Design and fabrication of a biodegradable, covalently crosslinked shape-memory alginate scaffold for cell and growth factor delivery. <i>Tissue Engineering - Part A</i> , 2012 , 18, 2000-7	3.9	87
20	Studies of brush border enzymes, basement membrane components, and electrophysiology of tissue-engineered neointestine. <i>Journal of Pediatric Surgery</i> , 1998 , 33, 991-6; discussion 996-7	2.6	86
19	Tissue-engineered large intestine resembles native colon with appropriate in vitro physiology and architecture. <i>Annals of Surgery</i> , 2003 , 238, 35-41	7.8	86
18	Growth, differentiation, transplantation and survival of human skeletal myofibers on biodegradable scaffolds. <i>Biomaterials</i> , 2008 , 29, 75-84	15.6	73
17	Minimally invasive approach to the repair of injured skeletal muscle with a shape-memory scaffold. <i>Molecular Therapy</i> , 2014 , 22, 1441-1449	11.7	70
16	Substrate Stress-Relaxation Regulates Scaffold Remodeling and Bone Formation In Vivo. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601185	10.1	68
15	Tissue-engineered colon exhibits function in vivo. <i>Surgery</i> , 2002 , 132, 200-4	3.6	59
14	Long-term follow-up of tissue-engineered intestine after anastomosis to native small bowel. <i>Transplantation</i> , 2000 , 69, 1927-32	1.8	55
13	The mesentery as a laminated vascular bed for hepatocyte transplantation. <i>Cell Transplantation</i> , 1994 , 3, 273-81	4	49
12	RNA-seq reveals diverse effects of substrate stiffness on mesenchymal stem cells. <i>Biomaterials</i> , 2018 , 181, 182-188	15.6	40
11	Sequential release of nanoparticle payloads from ultrasonically burstable capsules. <i>Biomaterials</i> , 2016 , 75, 91-101	15.6	37

10	Improved magnetic regulation of delivery profiles from ferrogels. <i>Biomaterials</i> , 2018 , 161, 179-189	15.6	35
9	Tissue-engineered neomucosa: morphology, enterocyte dynamics, and SGLT1 expression topography. <i>Transplantation</i> , 2003 , 75, 181-5	1.8	33
8	Rapid and extensive collapse from electrically responsive macroporous hydrogels. <i>Advanced Healthcare Materials</i> , 2014 , 3, 500-7	10.1	32
7	Successful anastomosis between tissue-engineered intestine and native small bowel. <i>Transplantation</i> , 1999 , 67, 241-5	1.8	29
6	Tissue-engineered spleen protects against overwhelming pneumococcal sepsis in a rodent model. <i>Journal of Surgical Research</i> , 2008 , 149, 214-8	2.5	22
5	Tissue engineering of a small hand phalanx with a porously casted polylactic acid-polyglycolic acid copolymer. <i>Tissue Engineering</i> , 2006 , 12, 2675-83		20
4	Mechanochemical Transduction across Extracellular Matrix and through the Cytoskeleton 1993 , 61-79		11
3	Functional Viability of Chondrocytes Stored at 4 degrees C. <i>Tissue Engineering</i> , 1996 , 2, 75-81		3
2	Nanoscale RGD Peptide Organization Regulates Cell Proliferation and Differentiation. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 845, 59		
1	Engineering Smooth Muscle 2007 , 24-1-24-14		