

Nicanor I Moldovan

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.

26

papers

713

citations

11

h-index

26

g-index

27

ext. papers

798

ext. citations

5.9

avg, IF

4.46

L-index

#	Paper	IF	Citations
26	Principles of the Kenzan Method for Robotic Cell Spheroid-Based Three-Dimensional Bioprinting. <i>Tissue Engineering - Part B: Reviews</i> , 2017 , 23, 237-244	7.9	164
25	Redox changes of cultured endothelial cells and actin dynamics. <i>Circulation Research</i> , 2000 , 86, 549-57	15.7	154
24	Localization to atherosclerotic plaque and biodistribution of biochemically derivatized superparamagnetic iron oxide nanoparticles (SPIONs) contrast particles for magnetic resonance imaging (MRI). <i>Biomedical Microdevices</i> , 2007 , 9, 719-27	3.7	87
23	The actin cytoskeleton reorganization induced by Rac1 requires the production of superoxide. <i>Antioxidants and Redox Signaling</i> , 1999 , 1, 29-43	8.4	72
22	Progress in scaffold-free bioprinting for cardiovascular medicine. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 2964-2969	5.6	44
21	iPSC-Derived Vascular Cell Spheroids as Building Blocks for Scaffold-Free Biofabrication. <i>Biotechnology Journal</i> , 2017 , 12, 1700444	5.6	41
20	Combined vaccination with HER-2 peptide followed by therapy with VEGF peptide mimics exerts effective anti-tumor and anti-angiogenic effects in vitro and in vivo. <i>Oncotarget</i> , 2012 , 1, 1048-1060	7.2	29
19	Regulation of adult hematopoietic stem cells fate for enhanced tissue-specific repair. <i>Molecular Therapy</i> , 2009 , 17, 1594-604	11.7	27
18	Functional adaptation: the key to plasticity of cardiovascular "stem" cells?. <i>Stem Cells and Development</i> , 2005 , 14, 111-21	4.4	15
17	Comparison of biomaterial-dependent and -independent bioprinting methods for cardiovascular medicine. <i>Current Opinion in Biomedical Engineering</i> , 2017 , 2, 124-131	4.4	14
16	Mechanotransduction Effects on Endothelial Cell Proliferation via CD31 and VEGFR2: Implications for Immunomagnetic Separation. <i>Biotechnology Journal</i> , 2017 , 12, 1600750	5.6	12
15	Actin grips: circular actin-rich cytoskeletal structures that mediate the wrapping of polymeric microfibers by endothelial cells. <i>Biomaterials</i> , 2015 , 52, 395-406	15.6	11
14	Fas-mediated apoptosis in accelerated graft arteriosclerosis. <i>Angiogenesis</i> , 1998 , 2, 245-54	10.6	10
13	Reoxygenation-derived toxic reactive oxygen/nitrogen species modulate the contribution of bone marrow progenitor cells to remodeling after myocardial infarction. <i>Journal of the American Heart Association</i> , 2014 , 3, e000471	6	6
12	Dynamics of the cytoskeleton: how much does water matter?. <i>Physical Review E</i> , 2011 , 83, 061918	2.4	6
11	Of balls, inks and cages: Hybrid biofabrication of 3D tissue analogs. <i>International Journal of Bioprinting</i> , 2019 , 5, 167	6.2	5
10	A module of human peripheral blood mononuclear cell transcriptional network containing primitive and differentiation markers is related to specific cardiovascular health variables. <i>PLoS ONE</i> , 2014 , 9, e95174	3.7	4

9	Three-Dimensional Bioprinting of Anatomically Realistic Tissue Constructs for Disease Modeling and Drug Testing. <i>Tissue Engineering - Part C: Methods</i> , 2021 , 27, 225-231	2.9	4
8	Labeling of endothelial cells with magnetic microbeads by angiophagy. <i>Biotechnology Letters</i> , 2018 , 40, 1189-1200	3	2
7	Robust detection and visualization of cytoskeletal structures in fibrillar scaffolds from 3-dimensional confocal image 2013 ,		2
6	Biofabrication of spheroids fusion-based tumor models: computational simulation of glucose effects. <i>Biofabrication</i> , 2021 ,	10.5	2
5	Composition of Bone Marrow-Derived Progenitor Cells in the Cellular Infiltrate of Infarcted Hearts: Role of Local Oxygen Tension. <i>FASEB Journal</i> , 2007 , 21, A228	0.9	1
4	An image analysis-based workflow for 3D bioprinting of anatomically realistic retinal vascular patterns. <i>Bioprinting</i> , 2021 , 23, e00152	7	1
3	Position of the Kenzan Method in the Space-Time of Tissue Engineering 2021 , 17-31		0
2	Solvent isotope effect on leukocytes disintegration after large mechanical deformations. <i>Biomedical Physics and Engineering Express</i> , 2019 , 5, 025019	1.5	
1	Design and Implementation of Anatomically Inspired Mesenteric and Intestinal Vascular Patterns for Personalized 3D Bioprinting. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 4430	2.6	