

# Nicanor I Moldovan

## List of Publications by Year in descending order

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34  
papers

2,099  
citations

489802

18  
h-index

511568

30  
g-index

36  
all docs

36  
docs citations

36  
times ranked

3261  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Implementation of Anatomically Inspired Mesenteric and Intestinal Vascular Patterns for Personalized 3D Bioprinting. Applied Sciences (Switzerland), 2022, 12, 4430.	1.3	2
2	Solvent isotope effect on leukocytes disintegration after large mechanical deformations. Biomedical Physics and Engineering Express, 2019, 5, 025019.	0.6	0
3	Labeling of endothelial cells with magnetic microbeads by angiophagy. Biotechnology Letters, 2018, 40, 1189-1200.	1.1	3
4	Actin grips: Circular actin-rich cytoskeletal structures that mediate the wrapping of polymeric microfibers by endothelial cells. Biomaterials, 2015, 52, 395-406.	5.7	13
5	A Module of Human Peripheral Blood Mononuclear Cell Transcriptional Network Containing Primitive and Differentiation Markers Is Related to Specific Cardiovascular Health Variables. PLoS ONE, 2014, 9, e95124.	1.1	5
6	Reoxygenation-Derived Toxic Reactive Oxygen/Nitrogen Species Modulate the Contribution of Bone Marrow Progenitor Cells to Remodeling After Myocardial Infarction. Journal of the American Heart Association, 2014, 3, e000471.	1.6	6
7	Robust detection and visualization of cytoskeletal structures in fibrillar scaffolds from 3-dimensional confocal image. , 2013, , .		2
8	EPCs and pathological angiogenesis: When good cells go bad. Microvascular Research, 2010, 79, 207-216.	1.1	104
9	Spontaneous Reoxygenation of Myocardial Infarct Area with Permanent Coronary Obstruction. FASEB Journal, 2008, 22, 750.17.	0.2	0
10	Stimulation of Peri-Implant Vascularization with Bone Marrow-Derived Progenitor Cells: Monitoring by In Vivo EPR Oximetry. Tissue Engineering, 2007, 13, 2053-2061.	4.9	25
11	Localization to atherosclerotic plaque and biodistribution of biochemically derivatized superparamagnetic iron oxide nanoparticles (SPIONs) contrast particles for magnetic resonance imaging (MRI). Biomedical Microdevices, 2007, 9, 719-727.	1.4	97
12	Monocytes/Macrophages Cooperate with Progenitor Cells during Neovascularization and Tissue Repair. American Journal of Pathology, 2006, 168, 529-541.	1.9	172
13	Role of monocytes and macrophages in angiogenesis. , 2005, , 127-146.		27
14	Preferential activity of Tie2 promoter in arteriolar endothelium. Journal of Cellular and Molecular Medicine, 2005, 9, 113-121.	1.6	28
15	Angiogenesis, l'enfant terrible of vascular biology is coming to age. Journal of Cellular and Molecular Medicine, 2005, 9, 775-776.	1.6	8
16	Emerging Roles of Reactive Oxygen and Nitrogen Species in Stem/Progenitor Cells. Antioxidants and Redox Signaling, 2005, 7, 1409-1412.	2.5	3
17	Functional Adaptation: The Key to Plasticity of Cardiovascular "Stem" Cells?. Stem Cells and Development, 2005, 14, 111-121.	1.1	17
18	Oxygen free radicals and redox biology of organelles. Histochemistry and Cell Biology, 2004, 122, 395-412.	0.8	156

#	ARTICLE	IF	CITATIONS
19	Micropatterning of endothelial cells by guided stimulation with angiogenic factors. <i>Biosensors and Bioelectronics</i> , 2004, 19, 1401-1407.	5.3	14
20	Monocytes and Macrophages Form Branched Cell Columns in Matrigel: Implications for a Role in Neovascularization. <i>Stem Cells and Development</i> , 2004, 13, 665-676.	1.1	82
21	Role of Blood Mononuclear Cells in Recanalization and Vascularization of ThrombiPast, Present, and Future. <i>Trends in Cardiovascular Medicine</i> , 2003, 13, 265-269.	2.3	66
22	Current Priorities in the Research of Circulating Pre-Endothelial Cells. <i>Advances in Experimental Medicine and Biology</i> , 2003, 522, 1-8.	0.8	7
23	Tissular Insemination of Progenitor Endothelial Cells: The Problem, and a Suggested Solution. <i>Advances in Experimental Medicine and Biology</i> , 2003, 522, 99-113.	0.8	10
24	Heterozygous Cellular Glutathione Peroxidase Deficiency in the Mouse. <i>Circulation</i> , 2002, 106, 1154-1158.	1.6	183
25	Microengineering of artificial capillaries. , 2002, , .		0
26	Role of Monocytes and Macrophages in Adult Angiogenesis: A Light at the Tunnel's End. <i>Journal of Hematotherapy and Stem Cell Research</i> , 2002, 11, 179-194.	1.8	66
27	Trends in Genomic Analysis of the Cardiovascular System. <i>Archives of Pathology and Laboratory Medicine</i> , 2002, 126, 310-316.	1.2	10
28	Prospects for Microtechnology and Nanotechnology in Bioengineering of Replacement Microvessels. <i>Archives of Pathology and Laboratory Medicine</i> , 2002, 126, 320-324.	1.2	40
29	Redox Changes of Cultured Endothelial Cells and Actin Dynamics. <i>Circulation Research</i> , 2000, 86, 549-557.	2.0	168
30	Contribution of Monocytes/Macrophages to Compensatory Neovascularization. <i>Circulation Research</i> , 2000, 87, 378-384.	2.0	231
31	Endothelial dysfunction in a murine model of mild hyperhomocyst(e)inemia. <i>Journal of Clinical Investigation</i> , 2000, 106, 483-491.	3.9	353
32	The Actin Cytoskeleton Reorganization Induced by Rac1 Requires the Production of Superoxide. <i>Antioxidants and Redox Signaling</i> , 1999, 1, 29-43.	2.5	82
33	Regulation of endothelial cell adhesion by profilin. <i>Current Biology</i> , 1997, 7, 24-30.	1.8	44
34	Ultrastructural Evidence of Differential Solubility in Triton X-100 of Endothelial Vesicles and Plasma Membrane. <i>Experimental Cell Research</i> , 1995, 219, 309-313.	1.2	41