Elena Andreeva

List of Publications by Year
in descending order

93 papers	1,443 citations	361045 20 h-index	377514 34 g-index
95 all docs	95 docs citations	95 times ranked	1658 citing authors

#	Article	IF	Citations
1	Continuous subendothelial network formed by pericyte-like cells in human vascular bed. Tissue and Cell, 1998, 30, 127-135.	1.0	150
2	Mesenchymal stem cells and hypoxia: Where are we?. Mitochondrion, 2014, 19, 105-112.	1.6	110
3	Subendothelial smooth muscle cells of human aorta express macrophage antigen in situ and in vitro. Atherosclerosis, 1997, 135, 19-27.	0.4	104
4	Lipids in cells of atherosclerotic and uninvolved human aorta. Experimental and Molecular Pathology, 1985, 42, 117-137.	0.9	97
5	Collagen-synthesizing cells in initial and advanced atherosclerotic lesions of human aorta. Atherosclerosis, 1997, 130, 133-142.	0.4	50
6	Low ATP level is sufficient to maintain the uncommitted state of multipotent mesenchymal stem cells. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 4418-4425.	1.1	44
7	Characteristics of human lipoaspirate-isolated mesenchymal stromal cells cultivated under lower oxygen tension. Cell and Tissue Biology, 2009, 3, 23-28.	0.2	42
8	Interaction of multipotent mesenchymal stromal and immune cells: Bidirectional effects. Cytotherapy, 2017, 19, 1152-1166.	0.3	41
9	Crash sign: new firstâ€trimester sonographic marker of spina bifida. Ultrasound in Obstetrics and Gynecology, 2019, 54, 740-745.	0.9	37
10	Peculiarities of cell composition and cell proliferation in different type atherosclerotic lesions in carotid and coronary arteries. Atherosclerosis, 2010, 212, 436-443.	0.4	35
11	Macroporous modified poly (vinyl alcohol) hydrogels with charged groups for tissue engineering: Preparation and in vitro evaluation. Materials Science and Engineering C, 2017, 75, 1075-1082.	3.8	25
12	Dissociated Cells from Different Layers of Adult Human Aortic Wall. Cells Tissues Organs, 1984, 119, 99-105.	1.3	24
13	Adult human aortic cells in primary culture: heterogeneity in shape. Heart and Vessels, 1986, 2, 193-201.	0.5	24
14	Gap junctional communication in primary culture of cells derived from human aortic intima. Tissue and Cell, 1995, 27, 591-597.	1.0	24
15	Low-dose photodynamic therapy promotes angiogenic potential and increases immunogenicity of human mesenchymal stromal cells. Journal of Photochemistry and Photobiology B: Biology, 2019, 199, 111596.	1.7	24
16	Content and localization of fibronectin in normal intima, atherosclerotic plaque, and underlying media of human aorta. Atherosclerosis, 1984, 53, 213-219.	0.4	23
17	?Regression? of atherosclerosis in cell culture: Effects of stable prostacyclin analogues. Drug Development Research, 1986, 9, 189-201.	1.4	21
18	WNT-associated gene expression in human mesenchymal stromal cells under hypoxic stress. Doklady Biochemistry and Biophysics, 2015, 465, 354-357.	0.3	21

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19	Lipids in cells of atherosclerotic and uninvolved human aorta. Experimental and Molecular Pathology, 1991, 54, 22-30.	0.9	20
20	Correlation between lipid deposition, immune-inflammatory cell content and MHC class II expression in diffuse intimal thickening of the human aorta. Atherosclerosis, 2011, 219, 171-183.	0.4	20
21	The ICAMâ€1 expression level determines the susceptibility of human endothelial cells to simulated microgravity. Journal of Cellular Biochemistry, 2018, 119, 2875-2885.	1.2	20
22	Stellate cells of aortic intima: II. Arborization of intimal cells in culture. Tissue and Cell, 1992, 24, 697-704.	1.0	19
23	Tissue-Related Hypoxia Attenuates Proinflammatory Effects of Allogeneic PBMCs on Adipose-Derived Stromal Cells<i>In Vitro</i>. Stem Cells International, 2016, 2016, 1-13.	1.2	18
24	Myeloid Precursors in the Bone Marrow of Mice after a 30-Day Space Mission on a Bion-M1 Biosatellite. Bulletin of Experimental Biology and Medicine, 2017, 162, 496-500.	0.3	18
25	IFNâ€gamma priming of adiposeâ€derived stromal cells at â€œphysiologicalâ€•hypoxia. Journal of Cellular Physiology, 2018, 233, 1535-1547.	2.0	18
26	Response of Adipose Tissue-Derived Stromal Cells in Tissue-Related O₂ Microenvironment to Short-Term Hypoxic Stress. Cells Tissues Organs, 2014, 200, 307-315.	1.3	17
27	Cellular mechanisms of human atherosclerosis: Role of cell-to-cell communications in subendothelial cell functions. Tissue and Cell, 2016, 48, 25-34.	1.0	17
28	Factors governing the immunosuppressive effects of multipotent mesenchymal stromal cells in vitro. Cytotechnology, 2016, 68, 565-577.	0.7	17
29	Activation of ganglioside GM3 biosynthesis in human monocyte/macrophages during culturing in vitro. Biochemistry (Moscow), 2007, 72, 772-777.	0.7	16
30	Low Level of O2 Inhibits Commitment of Cultured Mesenchymal Stromal Precursor Cells from the Adipose Tissue in Response to Osteogenic Stimuli. Bulletin of Experimental Biology and Medicine, 2009, 147, 760-763.	0.3	16
31	Enhancing of GM3 synthase expression during differentiation of human blood monocytes into macrophages as in vitro model of GM3 accumulation in atherosclerotic lesion. Molecular and Cellular Biochemistry, 2009, 330, 121-129.	1.4	16
32	Heterogeneity of smooth muscle cells in embryonic human aorta. Tissue and Cell, 1995, 27, 31-38.	1.0	14
33	Polyelectrolyte microcapsules with entrapped multicellular tumor spheroids as a novel tool to study the effects of photodynamic therapy. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 97B, 255-262.	1.6	14
34	Adipose-derived stromal cell immunosuppression of T cells is enhanced under â€œphysiologicalâ€•hypoxia. Tissue and Cell, 2020, 63, 101320.	1.0	14
35	Stellate cells of aortic intima: I. Human and rabbit. Tissue and Cell, 1992, 24, 689-696.	1.0	13
36	The impact of oxygen in physiological regulation of human multipotent mesenchymal cell functions. Human Physiology, 2012, 38, 444-452.	0.1	12

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37	Enrichment of Umbilical Cord Blood Mononuclears with Hemopoietic Precursors in Co-Culture with Mesenchymal Stromal Cells from Human Adipose Tissue. Bulletin of Experimental Biology and Medicine, 2014, 156, 584-589.	0.3	12
38	Proinflammatory interleukins' production by adipose tissueâ€derived mesenchymal stromal cells: the impact of cell culture conditions and cellâ€toâ€cell interaction. Cell Biochemistry and Function, 2015, 33, 385-392.	1.4	12
39	Human Adipose-Tissue Derived Stromal Cells in Combination with Hypoxia Effectively Support Ex Vivo Expansion of Cord Blood Haematopoietic Progenitors. PLoS ONE, 2015, 10, e0124939.	1.1	12
40	Acute Hypoxic Stress Affects Migration Machinery of Tissue O₂-Adapted Adipose Stromal Cells. Stem Cells International, 2016, 2016, 1-16.	1.2	12
41	Ex Vivo Expansion of Hematopoietic Stem and Progenitor Cells from Umbilical Cord Blood. Acta Naturae, 2016, 8, 6-16.	1.7	12
42	Beta-blockers: propranolol, metoprolol, atenolol, pindolol, alprenolol and timolol, manifest atherogenicity on in vitro, ex vivo and in vivo models. Elimination of propranolol atherogenic effects by papaverine. Atherosclerosis, 1992, 95, 77-85.	0.4	10
43	Human MMSC immunosuppressive activity at low oxygen tension: Direct cell-to-cell contacts and paracrine regulation. Human Physiology, 2013, 39, 136-146.	0.1	10
44	Interaction of human mesenhymal stromal with immune cells. Human Physiology, 2010, 36, 590-598.	0.1	9
45	Subpopulation Composition and Activation of T Lymphocytes during Coculturing with Mesenchymal Stromal Cells in Medium with Different O2 Content. Bulletin of Experimental Biology and Medicine, 2011, 151, 344-346.	0.3	9
46	Stromal and Hematopoietic Progenitors from C57/BI/6N Murine Bone Marrow After 30-Day â€œBION-M1â€• Spaceflight. Stem Cells and Development, 2018, 27, 1268-1277.	1.1	9
47	Interaction of allogeneic adipose tissue-derived stromal cells and unstimulated immune cells in vitro: the impact of cell-to-cell contact and hypoxia in the local milieu. Cytotechnology, 2018, 70, 299-312.	0.7	9
48	Lipid accumulation in the subendothelial cells of human aortic intima impairs cell-to-cell contacts: A comparative study in situ and in vitro. Cardiovascular Pathology, 1993, 2, 53-62.	0.7	7
49	Paracrine activity of multipotent mesenchymal stromal cells and its modulation in hypoxia. Human Physiology, 2013, 39, 315-322.	0.1	7
50	Simulated microgravity modulates the mesenchymal stromal cell response to inflammatory stimulation. Scientific Reports, 2019, 9, 9279.	1.6	7
51	Reciprocal modulation of cell functions upon direct interaction of adipose mesenchymal stromal and activated immune cells. Cell Biochemistry and Function, 2019, 37, 228-238.	1.4	7
52	Hematopoiesis-supportive function of growth-arrested human adipose-tissue stromal cells under physiological hypoxia. Journal of Bioscience and Bioengineering, 2019, 127, 647-654.	1.1	7
53	Immunosuppressive Effects of Multipotent Mesenchymal Stromal Cells in Cultures with Different O2 Content in the Medium. Bulletin of Experimental Biology and Medicine, 2011, 151, 526-529.	0.3	6
54	Evaluation of committed and primitive cord blood progenitors after expansion on adipose stromal cells. Cell and Tissue Research, 2018, 372, 523-533.	1.5	6

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55	Endothelial Cells Modulate Differentiation Potential and Mobility of Mesenchymal Stromal Cells. Bulletin of Experimental Biology and Medicine, 2018, 165, 127-131.	0.3	6
56	Lipid second messengers and cell signaling in vascular wall. Biochemistry (Moscow), 2007, 72, 797-808.	0.7	5
57	New medicines and approaches to treatment of atherosclerosis. Russian Journal of General Chemistry, 2012, 82, 554-563.	0.3	5
58	In Vitro Study of Interactions between Silicon-Containing Nanoparticles and Human Peripheral Blood Leukocytes. Bulletin of Experimental Biology and Medicine, 2013, 155, 396-398.	0.3	5
59	The Role of Interplay of Mesenchymal Stromal Cells and Macrophages in Physiological and Reparative Tissue Remodeling. Human Physiology, 2018, 44, 102-114.	0.1	5
60	Multipotent Mesenchymal Stromal Cells and Extracellular Matrix: Regulation under Hypoxia. Human Physiology, 2018, 44, 696-705.	0.1	5
61	Etoposide and Hypoxia Do Not Activate Apoptosis of Multipotent Mesenchymal Stromal Cells In Vitro. Bulletin of Experimental Biology and Medicine, 2012, 154, 141-144.	0.3	4
62	The Differential Expression of Adhesion Molecule and Extracellular Matrix Genes in Mesenchymal Stromal Cells after Interaction with Cord Blood Hematopoietic Progenitors. Doklady Biochemistry and Biophysics, 2018, 479, 69-71.	0.3	4
63	Effects of hypoxic gas mixtures on viability, expression of adhesion molecules, migration, and synthesis of interleukins by cultured human endothelial cells. Bulletin of Experimental Biology and Medicine, 2007, 144, 130-135.	0.3	3
64	Modification of silicon nanoparticle surface with gold or silver attenuates its biocompatibility in vitro. Cell and Tissue Biology, 2014, 8, 384-388.	0.2	3
65	Hypoxic stress as an activation trigger of multipotent mesenchymal stromal cells. Human Physiology, 2015, 41, 218-222.	0.1	3
66	Immobilized phthalocyanines of magnesium, aluminum, and zinc in photodynamic treatment of mesenchymal stromal cells. Russian Chemical Bulletin, 2016, 65, 277-281.	0.4	3
67	Immunocytochemical study of the localization of scavenger receptor in human aortic smooth-muscle cells. Bulletin of Experimental Biology and Medicine, 1995, 120, 839-842.	0.3	2
68	Effects of photodynamic treatment on mesenchymal stromal cells. Doklady Biological Sciences, 2013, 450, 185-188.	0.2	2
69	Photophysical properties and photodynamic activity of nanostructured aluminum phthalocyanines. Biophysics (Russian Federation), 2014, 59, 854-860.	0.2	2
70	In vitro evaluation of crystalline silicon nanoparticles cytotoxicity. Biophysics (Russian Federation), 2014, 59, 105-109.	0.2	2
71	Selection of the Optimal Protocol for Preparation of a Decellularized Extracellular Matrix of Human Adipose Tissue-Derived Mesenchymal Stromal Cells. Moscow University Biological Sciences Bulletin, 2019, 74, 235-239.	0.1	2
72	Phenotype and Secretome of Monocyte-Derived Macrophages Interacting with Mesenchymal Stromal Cells under Conditions of Hypoxic Stress. Bulletin of Experimental Biology and Medicine, 2019, 168, 125-131.	0.3	2

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73	Adipose tissue-derived stromal cells retain immunosuppressive and angiogenic activity after coculture with cord blood hematopoietic precursors. European Journal of Cell Biology, 2020, 99, 151069.	1.6	2
74	Functional Activity of Non-Proliferating Mesenchymal Stromal Cells Cultured at Different Densities. Bulletin of Experimental Biology and Medicine, 2021, 170, 537-543.	0.3	2
75	Ð¡ord blood hematopoietic stem cells ex vivo enhance the bipotential commitment of adipose mesenchymal stromal progenitors. Life Sciences, 2021, 268, 118970.	2.0	2
76	Osteogenic Commitment of MSC Is Enhanced after Interaction with Umbilical Cord Blood Mononuclear Cells In Vitro. Bulletin of Experimental Biology and Medicine, 2021, 171, 541-546.	0.3	2
77	Crosstalk of Endothelial and Mesenchymal Stromal Cells under Tissue-Related O2. International Journal of Translational Medicine, 2021, 1, 116-136.	0.1	2
78	Metal-free Phtalocyanine and 5-Aminolevulenic Acid in Photodynamic Treatment of Human Vascular Cells. , 2010, , .		1
79	Effects of Photodynamic Exposure on Endothelial Cells In Vitro. Bulletin of Experimental Biology and Medicine, 2010, 149, 262-264.	0.3	1
80	Low-Fluence Photodynamic Treatment Modifies Functional Properties of Vascular Cell Wall. Bulletin of Experimental Biology and Medicine, 2011, 151, 521-525.	0.3	1
81	Immunophenotype of human lymphocytes after interaction with mesenchymal stromal cells. Human Physiology, 2013, 39, 530-534.	0.1	1
82	The effect of stromal cells and oxygen concentration on maintenance of cord blood hematopoietic precursors. Cell and Tissue Biology, 2015, 9, 341-347.	0.2	1
83	Differential Expression of Bipotent Commitment-Related Genes in Multipotent Mesenchymal Stromal Cells at Different O2 Levels. Doklady Biochemistry and Biophysics, 2020, 491, 67-69.	0.3	1
84	Short-term reloading after prolonged unloading ensures restoration of stromal but not hematopoietic precursor activity in tibia bone marrow of C57Bl/6N mice. Stem Cells and Development, 2021, , .	1.1	1
85	Structural organization and composition of extracellular matrix of multipotent mesenchymal stromal cells under different oxygenlevels in vitro. Clinical and Experimental Morphology, 2020, 9, 57-63.	0.1	1
86	Simulated Microgravity Affects the TNF-Î±-Induced Interleukin Profile of Endothelial Cells Depending on the Initial ICAM-1 Expression. Microgravity Science and Technology, 2022, 34, 1.	0.7	1
87	Immunomorphological investigation of distribution of collagen of types I, III, IV, and V in primary culture of human aortic cells. Bulletin of Experimental Biology and Medicine, 1983, 96, 1473-1476.	0.3	0
88	Atherogenic effect of the beta-blocker propranolol exhibited on the de-endothelized rabbit aorta. Bulletin of Experimental Biology and Medicine, 1991, 111, 485-488.	0.3	0
89	Papaverine abolishes the atherogenic effect of the beta-blocker propranolol. Bulletin of Experimental Biology and Medicine, 1992, 113, 353-356.	0.3	0
90	Localization of collagen-producing cells in normal and atherosclerotic intima of human aorta. Bulletin of Experimental Biology and Medicine, 1997, 123, 82-84.	0.3	0

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91	Accumulation and Elimination of Photosens and Protoporphyrin IX by Different Types of Mesenchymal Cells. Bulletin of Experimental Biology and Medicine, 2013, 155, 568-571.	0.3	0
92	Expression of Adhesion Molecules in Activated Endothelium after Interaction with Mesenchymal Stromal Cells. Bulletin of Experimental Biology and Medicine, 2018, 164, 453-455.	0.3	0
93	Effect of Short-Term Hypoxic Stress on Immunosuppressive Activity of Perivascular Multipotent Stromal Cells. Moscow University Biological Sciences Bulletin, 2018, 73, 13-17.	0.1	0