Mikhail F Alexeyev

List of Publications by Year in Descending Order

49 papers	1,693 citations	18 h-index	41 g-index
58 ext. papers	1,988 ext. citations	4.5 avg, IF	4.85 L-index

#	Paper	IF	Citations
49	Impact of Na+ permeation on collective migration of pulmonary arterial endothelial cells. *PLoS ONE* , **2021**, 16, e0250095	3.7	2
48	Carbonic Anhydrase IX and Hypoxia Promote Rat Pulmonary Endothelial Cell Survival during Infection. *American Journal of Respiratory Cell and Molecular Biology*, **2021**, 65, 630-645	5.7	0
47	Quantification of mtDNA content in cultured cells by direct droplet digital PCR. *Mitochondrion*, **2021**, 61, 102-113	4.9	1
46	Virulent Pseudomonas aeruginosa infection converts antimicrobial amyloids into cytotoxic prions. *FASEB Journal*, **2020**, 34, 9156-9179	0.9	11
45	Exoenzyme Y Contributes to End-Organ Dysfunction Caused by Pneumonia in Critically Ill Patients: An Exploratory Study. *Toxins*, **2020**, 12,	4.9	9
44	Development of an endothelial cell-restricted transgenic reporter rat: a resource for physiological studies of vascular biology. *American Journal of Physiology - Heart and Circulatory Physiology*, **2020**, 319, H349-H358	5.2	4
43	Exoenzyme Y induces extracellular active caspase-7 accumulation independent from apoptosis: modulation of transmissible cytotoxicity. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2020**, 319, L380-L390	5.8	6
42	On separation and coding capacity of mtDNA strands. *Protein Science*, **2020**, 29, 1070	6.3	
41	S100A6 is a positive regulator of PPP5C-FKBP51-dependent regulation of endothelial calcium signaling. *FASEB Journal*, **2020**, 34, 3179-3196	0.9	7
40	The mitochondrial genome sequence of the BS-C-1 cell line is at odds with the reported derivation from. *Mitochondrial DNA Part B: Resources*, **2020**, 5, 3492-3494	0.5	
39	Extrinsic acidosis suppresses glycolysis and migration while increasing network formation in pulmonary microvascular endothelial cells. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2019**, 317, L188-L201	5.8	12
38	Limited predictive value of TFAM in mitochondrial biogenesis. *Mitochondrion*, **2019**, 49, 156-165	4.9	12
37	T-type calcium channel determines the angiogenic potential of pulmonary microvascular endothelial cells. *American Journal of Physiology - Cell Physiology*, **2019**, 316, C353-C364	5.4	7
36	Elimination of Mitochondrial DNA from Mammalian Cells. *Current Protocols in Cell Biology*, **2018**, 78, 20.11.1-20.11.14	2.1	
35	Carbonic anhydrase IX is a critical determinant of pulmonary microvascular endothelial cell pH regulation and angiogenesis during acidosis. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2018**, 315, L41-L51	5.8	10
34	Protective role of FKBP51 in calcium entry-induced endothelial barrier disruption. *Pulmonary Circulation*, **2018**, 8, 2045893217749987	2.7	5
33	infection liberates transmissible, cytotoxic prion amyloids. *FASEB Journal*, **2017**, 31, 2785-2796	0.9	18

32	Mitochondrial transcription in mammalian cells. *Frontiers in Bioscience - Landmark*, **2017**, 22, 835-853	2.8	24
31	The efficiency of the translesion synthesis across abasic sites by mitochondrial DNA polymerase is low in mitochondria of 3T3 cells. *Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis*, **2016**, 27, 4390-4396	1.3	10
30	The "fast" and the "slow" modes of mitochondrial DNA degradation. *Mitochondrial DNA*, **2016**, 27, 490-8		12
29	N-cadherin coordinates AMP kinase-mediated lung vascular repair. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2016**, 310, L71-85	5.8	11
28	Pseudomonas aeruginosa exoenzymes U and Y induce a transmissible endothelial proteinopathy. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2016**, 310, L337-53	5.8	25
27	Presequence-Independent Mitochondrial Import of DNA Ligase Facilitates Establishment of Cell Lines with Reduced mtDNA Copy Number. *PLoS ONE*, **2016**, 11, e0152705	3.7	4
26	Methods for Efficient Elimination of Mitochondrial DNA from Cultured Cells. *PLoS ONE*, **2016**, 11, e0154684	3.7	15
25	Endothelial hyperpermeability in severe pulmonary arterial hypertension: role of store-operated calcium entry. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2016**, 311, L560-9	5.8	24
24	Mitochondrial DNA: A disposable genome?. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2015**, 1852, 1805-9	6.9	39
23	Sodium entry through endothelial store-operated calcium entry channels: regulation by Orai1. *American Journal of Physiology - Cell Physiology*, **2015**, 308, C277-88	5.4	20
22	A method for mutagenesis of mouse mtDNA and a resource of mouse mtDNA mutations for modeling human pathological conditions. *Nucleic Acids Research*, **2015**, 43, e62	20.1	14
21	Aging: A mitochondrial DNA perspective, critical analysis and an update. *World Journal of Experimental Medicine*, **2014**, 4, 46-57	0.4	46
20	Persistent damage induces mitochondrial DNA degradation. *DNA Repair*, **2013**, 12, 488-99	4.3	40
19	TRPC4 inactivation confers a survival benefit in severe pulmonary arterial hypertension. *American Journal of Pathology*, **2013**, 183, 1779-1788	5.8	31
18	The maintenance of mitochondrial DNA integrity--critical analysis and update. *Cold Spring Harbor Perspectives in Biology*, **2013**, 5, a012641	10.2	274
17	Mitochondrial DNA ligase is dispensable for the viability of cultured cells but essential for mtDNA maintenance. *Journal of Biological Chemistry*, **2013**, 288, 26594-605	5.4	24
16	IG (CaV3.1) T-type calcium channel controls NOS3 activation in pulmonary microvascular endothelial cells. *FASEB Journal*, **2013**, 27, 724.6	0.9	
15	Perinuclear mitochondrial clustering creates an oxidant-rich nuclear domain required for hypoxia-induced transcription. *Science Signaling*, **2012**, 5, ra47	8.8	229

14	A retro-lentiviral system for doxycycline-inducible gene expression and gene knockdown in cells with limited proliferative capacity. *Molecular Biology Reports*, **2010**, 37, 1987-91	2.8	30
13	Oxidative stress induces degradation of mitochondrial DNA. *Nucleic Acids Research*, **2009**, 37, 2539-48	20.1	326
12	Is there more to aging than mitochondrial DNA and reactive oxygen species?. *FEBS Journal*, **2009**, 276, 5768-87	5.7	119
11	Oxidative stress induces degradation of mitochondrial DNA. *FASEB Journal*, **2009**, 23, 836.20	0.9	1
10	Mutations in the passenger polypeptide can affect its partitioning between mitochondria and cytoplasm: mutations can impair the mitochondrial import of DsRed. *Molecular Biology Reports*, **2008**, 35, 215-23	2.8	10
9	Nucleosome Assembly Protein 1 (NAP-1) determines the progenitor status of endothelial cells. *FASEB Journal*, **2008**, 22, 1178.12	0.9	
8	Activation of a chimeric soluble adenylyl cyclase reorganizes microtubules near the cell periphery sufficient to disrupt the endothelial cell barrier. *FASEB Journal*, **2007**, 21, A1432	0.9	
7	Cyclic AMP Phosphodiesterase 4D4 Expression in Lung Endothelium is a Determinant of Cell Phenotype. *FASEB Journal*, **2007**, 21, A1433	0.9	
6	Activation of a chimeric soluble adenylyl cyclase induces endothelial cell gap formation without disrupting the cortical actin rim. *FASEB Journal*, **2007**, 21, A862	0.9	
5	On resolving the molecular identity of the endothelial cell nucleosome assembly protein. *FASEB Journal*, **2007**, 21, A1433	0.9	2
4	Mitochondrial DNA damage triggers mitochondrial dysfunction and apoptosis in oxidant-challenged lung endothelial cells. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2005**, 288, L530-5	5.8	76
3	Endonuclease III and endonuclease VIII conditionally targeted into mitochondria enhance mitochondrial DNA repair and cell survival following oxidative stress. *Nucleic Acids Research*, **2004**, 32, 3240-7	20.1	36
2	Mitochondrial DNA and aging. *Clinical Science*, **2004**, 107, 355-64	6.5	105
1	The expression of Exonuclease III from E. coli in mitochondria of breast cancer cells diminishes mitochondrial DNA repair capacity and cell survival after oxidative stress. *DNA Repair*, **2003**, 2, 471-82	4.3	32