Pyotr A Tyurin-Kuzmin

List of Publications by Year
in descending order

24 papers	757 citations	758635 12 h-index	642321 23 g-index
24 all docs	24 docs citations	24 times ranked	1309 citing authors

#	Article	IF	Citations
1	Ultrasensitive Genetically Encoded Indicator for Hydrogen Peroxide Identifies Roles for the Oxidant in Cell Migration and Mitochondrial Function. Cell Metabolism, 2020, 31, 642-653.e6.	7.2	202
2	Does Cellular Hydrogen Peroxide Diffuse or Act Locally?. Antioxidants and Redox Signaling, 2011, 14, 1-7.	2.5	137
3	Vimentin intermediate filaments modulate the motility of mitochondria. Molecular Biology of the Cell, 2011, 22, 2282-2289.	0.9	114
4	Activation of Î²-adrenergic receptors is required for elevated Î±1A-adrenoreceptors expression and signaling in mesenchymal stromal cells. Scientific Reports, 2016, 6, 32835.	1.6	39
5	Functional expression of adrenoreceptors in mesenchymal stromal cells derived from the human adipose tissue. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 1899-1908.	1.9	35
6	Involvement of autophagy in the outcome of mitotic catastrophe. Scientific Reports, 2017, 7, 14571.	1.6	31
7	Local angiotensin II promotes adipogenic differentiation of human adipose tissue mesenchymal stem cells through type 2 angiotensin receptor. Stem Cell Research, 2017, 25, 115-122.	0.3	27
8	2â€Deoxyâ€Dâ€glucose has distinct and cell lineâ€specific effects on the survival of different cancer cells upon antitumor drug treatment. FEBS Journal, 2018, 285, 4590-4601.	2.2	27
9	Nox4 and Duox1/2 Mediate Redox Activation of Mesenchymal Cell Migration by PDGF. PLoS ONE, 2016, 11, e0154157.	1.1	25
10	Angiotensin receptor subtypes regulate adipose tissue renewal and remodelling. FEBS Journal, 2020, 287, 1076-1087.	2.2	22
11	Analysis of novel hyperosmotic shock response suggests â€œbeads in liquidâ€•cytosol structure. Biology Open, 2019, 8, .	0.6	18
12	Chemotactic signaling in mesenchymal cells compared to amoeboid cells. Genes and Diseases, 2014, 1, 162-173.	1.5	14
13	Functional Heterogeneity of Protein Kinase A Activation in Multipotent Stromal Cells. International Journal of Molecular Sciences, 2020, 21, 4442.	1.8	12
14	Flow cytometry analysis of adrenoceptors expression in human adipose-derived mesenchymal stem/stromal cells. Scientific Data, 2018, 5, 180196.	2.4	9
15	Decreased Insulin Sensitivity in Telomerase-Immortalized Mesenchymal Stem Cells Affects Efficacy and Outcome of Adipogenic Differentiation in vitro. Frontiers in Cell and Developmental Biology, 2021, 9, 662078.	1.8	8
16	Mesenchymal stromal cells enhance self-assembly of a HUVEC tubular network through uPA-uPAR/VEGFR2/integrin/NOTCH crosstalk. Biochimica Et Biophysica Acta - Molecular Cell Research, 2022, 1869, 119157.	1.9	8
17	Noradrenaline Sensitivity Is Severely Impaired in Immortalized Adipose-Derived Mesenchymal Stem Cell Line. International Journal of Molecular Sciences, 2018, 19, 3712.	1.8	7
18	Optimization of CRISPR/Cas9 Technology to Knock Out Genes of Interest in Aneuploid Cell Lines. Tissue Engineering - Part C: Methods, 2019, 25, 168-175.	1.1	7

#	Article	IF	Citations
19	CRISPR/Cas9-mediated modification of the extreme C-terminus impairs PDGF-stimulated activity of Duox2. Biological Chemistry, 2018, 399, 437-446.	1.2	4
20	Data supporting that adipose-derived mesenchymal stem/stromal cells express angiotensin II receptors in situ and in vitro. Data in Brief, 2018, 16, 327-333.	0.5	4
21	Metabolic Regulation of Mammalian Stem Cell Differentiation. Biochemistry (Moscow), 2020, 85, 264-278.	0.7	3
22	Parathyroid Hormone in the Regulation of Bone Growth and Resorption in Health and Disease. Vestnik Rossiiskoi Akademii Meditsinskikh Nauk, 2021, 76, 506-517.	0.2	3
23	A Novel Cre/lox71-Based System for Inducible Expression of Recombinant Proteins and Genome Editing. Cells, 2022, 11, 2141.	1.8	1
24	Redox-dependent activation of PI3-kinase is involved in growth-factor- induced proliferation of fibroblasts. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2017, 11, 17-23.	0.3	0