Anastasia Yu Efimenko

List of Publications by Year
in descending order

43 papers	1,491 citations	361413 20 h-index	315739 38 g-index
46 all docs	46 docs citations	46 times ranked	2197 citing authors

#	Article	IF	Citations
1	Adipose Stromal Cells Stimulate Angiogenesis via Promoting Progenitor Cell Differentiation, Secretion of Angiogenic Factors, and Enhancing Vessel Maturation. Tissue Engineering - Part A, 2009, 15, 2039-2050.	3.1	184
2	Angiogenic properties of aged adipose derived mesenchymal stem cells after hypoxic conditioning. Journal of Translational Medicine, 2011, 9, 10.	4.4	178
3	Characterization of secretomes provides evidence for adipose-derived mesenchymal stromal cells subtypes. Stem Cell Research and Therapy, 2015, 6, 221.	5.5	114
4	Adipose-Derived Mesenchymal Stromal Cells From Aged Patients With Coronary Artery Disease Keep Mesenchymal Stromal Cell Properties but Exhibit Characteristics of Aging and Have Impaired Angiogenic Potential. Stem Cells Translational Medicine, 2014, 3, 32-41.	3.3	104
5	Conditioned Medium from Human Mesenchymal Stromal Cells: Towards the Clinical Translation. International Journal of Molecular Sciences, 2019, 20, 1656.	4.1	104
6	Mitochondria-targeted plastoquinone derivatives as tools to interrupt execution of the aging program. 3. Inhibitory effect of SkQ1 on tumor development from p53-deficient cells. Biochemistry (Moscow), 2008, 73, 1300-1316.	1.5	82
7	Disturbed angiogenic activity of adipose-derived stromal cells obtained from patients with coronary artery disease and diabetes mellitus type 2. Journal of Translational Medicine, 2014, 12, 337.	4.4	73
8	Mesenchymal Stromal Cells as Critical Contributors to Tissue Regeneration. Frontiers in Cell and Developmental Biology, 2020, 8, 576176.	3.7	68
9	Autologous Stem Cell Therapy: How Aging and Chronic Diseases Affect Stem and Progenitor Cells. BioResearch Open Access, 2015, 4, 26-38.	2.6	66
10	T-cadherin suppresses angiogenesis in vivo by inhibiting migration of endothelial cells. Angiogenesis, 2007, 10, 183-195.	7.2	55
11	Mesenchymal Stromal Cell-Produced Components of Extracellular Matrix Potentiate Multipotent Stem Cell Response to Differentiation Stimuli. Frontiers in Cell and Developmental Biology, 2020, 8, 555378.	3.7	49
12	Secretome of Mesenchymal Stromal Cells Prevents Myofibroblasts Differentiation by Transferring Fibrosis-Associated microRNAs within Extracellular Vesicles. Cells, 2020, 9, 1272.	4.1	44
13	Enhanced angiogenesis in ischemic skeletal muscle after transplantation of cell sheets from baculovirus-transduced adipose-derived stromal cells expressing VEGF165. Stem Cell Research and Therapy, 2015, 6, 204.	5.5	42
14	miR-92a regulates angiogenic activity of adipose-derived mesenchymal stromal cells. Experimental Cell Research, 2015, 339, 61-66.	2.6	36
15	Extracellular Matrix in the Regulation of Stem Cell Differentiation. Biochemistry (Moscow), 2019, 84, 232-240.	1.5	36
16	Unveiling Mesenchymal Stromal Cellsâ€™ Organizing Function in Regeneration. International Journal of Molecular Sciences, 2019, 20, 823.	4.1	34
17	Blood Circulating Exosomes Contain Distinguishable Fractions of Free and Cell-Surface-Associated Vesicles. Current Molecular Medicine, 2019, 19, 273-285.	1.3	27
18	Total Blood Exosomes in Breast Cancer: Potential Role in Crucial Steps of Tumorigenesis. International Journal of Molecular Sciences, 2020, 21, 7341.	4.1	23

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19	A magic kick for regeneration: role of mesenchymal stromal cell secretome in spermatogonial stem cell niche recovery. Stem Cell Research and Therapy, 2019, 10, 342.	5.5	22
20	Unique genetic profile of hereditary hemochromatosis in Russians: High frequency of C282Y mutation in population, but not in patients. Blood Cells, Molecules, and Diseases, 2005, 35, 182-188.	1.4	21
21	Application of rat cryptorchidism model for the evaluation of mesenchymal stromal cell secretome regenerative potential. Biomedicine and Pharmacotherapy, 2019, 109, 1428-1436.	5.6	19
22	Viability and angiogenic activity of mesenchymal stromal cells from adipose tissue and bone marrow under hypoxia and inflammation in vitro. Cell and Tissue Biology, 2010, 4, 117-127.	0.4	14
23	Biochemical Regulation of Regenerative Processes by Growth Factors and Cytokines: Basic Mechanisms and Relevance for Regenerative Medicine. Biochemistry (Moscow), 2020, 85, 11-26.	1.5	14
24	â€œCell-Free Therapeuticsâ€•from Components Secreted by Mesenchymal Stromal Cells as a Novel Class of Biopharmaceuticals. , 2018, , .		11
25	Towards the creation of a unified glossary of Russian biobanks. Cardiovascular Therapy and Prevention (Russian Federation), 2020, 19, 2710.	1.4	10
26	MSC Secretome as a Promising Tool for Neuroprotection and Neuroregeneration in a Model of Intracerebral Hemorrhage. Pharmaceutics, 2021, 13, 2031.	4.5	10
27	Regenerative medicine for male infertility: A focus on stem cell niche injury models. Biomedical Journal, 2022, 45, 607-614.	3.1	9
28	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.	3.7	8
29	Cell Sheets of Mesenchymal Stromal Cells Effectively Stimulate Healing of Deep Soft Tissue Defects. Bulletin of Experimental Biology and Medicine, 2019, 167, 159-163.	0.8	7
30	Platelet-Derived Growth Factor Induces SASP-Associated Gene Expression in Human Multipotent Mesenchymal Stromal Cells but Does Not Promote Cell Senescence. Biomedicines, 2021, 9, 1290.	3.2	5
31	Self-Organization Provides Cell Fate Commitment in MSC Sheet Condensed Areas via ROCK-Dependent Mechanism. Biomedicines, 2021, 9, 1192.	3.2	4
32	Collagen-1 Membrane for Replacing the Bladder Wall. Bulletin of Experimental Biology and Medicine, 2016, 162, 102-106.	0.8	3
33	Informed consent to the receipt and use of human cellular material: juristic and ethical regulation. Russian Journal of Cardiology, 2018, , 84-90.	1.4	3
34	Urokinase-Type Plasminogen Activator Enhances the Neuroprotective Activity of Brain-Derived Neurotrophic Factor in a Model of Intracerebral Hemorrhage. Biomedicines, 2022, 10, 1346.	3.2	2
35	587. MiRNA-92a Is Involved in the Regulation of Adipose-Derived Stromal Cell (ADSC) Angiogenic Properties. Molecular Therapy, 2015, 23, S233-S234.	8.2	1
36	448. Therapeutic Angiogenesis by Subcutaneous Cell Sheet Delivery Is Superior to Cell Injection: A Study of ADSC Efficacy in a Model of Hind Limb Ischemia. Molecular Therapy, 2016, 24, S178.	8.2	1

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37	Secretome of Multipotent Mesenchymal Stromal Cells as a Promising Treatment and for Rehabilitation of Patients with the Novel Coronaviral Infection. Herald of the Russian Academy of Sciences, 2021, 91, 170-175.	0.6	1
38	Proteolytic enzyme and adiponectin receptors as potential targets for COVID-19 therapy. Cardiovascular Therapy and Prevention (Russian Federation), 2021, 20, 2791.	1.4	1
39	Ethical and Legal Aspects of Using Genome Editing Technologies in Medicine (Review). Sovremennye Tehnologii V Medicine, 2019, 11, 117.	1.1	1
40	Correlations between vessel stiffness and biomarkers of senescent cell in elderly patients. Kardiologiya, 2022, 62, 15-22.	0.7	1
41	657. Delivery of Genetically Engineered Adipose-Derived Cell Sheets for Treatment of Ischemic Disorders â€“ Development of Application in Animal Models. Molecular Therapy, 2015, 23, S262.	8.2	0
42	Abstract P-41: Contribution of Matrix-bound Vesicles Produced by Mesenchymal Stromal Cells in the Differentiation of Multipotent Stem Cells in vitro. International Journal of Biomedicine, 2021, 11, S30-S30.	0.2	0
43	Editorial: Extracellular RNAs as Outside Regulators of Gene Expression in Homeostasis and Pathology. Frontiers in Cell and Developmental Biology, 2021, 9, 818430.	3.7	0