Aleksandra Krstic

List of Publications by Year
in descending order

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40 papers	1,325 citations	394286 19 h-index	345118 36 g-index
40 all docs	40 docs citations	40 times ranked	2374 citing authors

#	Article	IF	Citations
1	Coordinated time-dependent modulation of AMPK/Akt/mTOR signaling and autophagy controls osteogenic differentiation of human mesenchymal stem cells. Bone, 2013, 52, 524-531.	1.4	222
2	Synthesis of antimicrobial monophase silver-doped hydroxyapatite nanopowders for bone tissue engineering. Applied Surface Science, 2011, 257, 4510-4518.	3.1	221
3	Mesenchymal stem cells of different origin: Comparative evaluation of proliferative capacity, telomere length and pluripotency marker expression. Life Sciences, 2015, 141, 61-73.	2.0	70
4	Specificity of 3D MSC Spheroids Microenvironment: Impact on MSC Behavior and Properties. Stem Cell Reviews and Reports, 2020, 16, 853-875.	1.7	63
5	Mesenchymal stem cells isolated from peripheral blood and umbilical cord Whartonâ€™s jelly. Srpski Arhiv Za Celokupno Lekarstvo, 2013, 141, 178-186.	0.1	59
6	Interleukin 17 inhibits myogenic and promotes osteogenic differentiation of C2C12 myoblasts by activating ERK1,2. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 838-849.	1.9	50
7	Lipopolysaccharide can modify differentiation and immunomodulatory potential of periodontal ligament stem cells via ERK1,2 signaling. Journal of Cellular Physiology, 2018, 233, 447-462.	2.0	50
8	The potential of interleukin-17 to mediate hematopoietic response. Immunologic Research, 2012, 52, 34-41.	1.3	47
9	Hematopoietic changes and altered reactivity to IL-17 in Syphacia obvelata-infected mice. Parasitology International, 2006, 55, 91-97.	0.6	41
10	Interleukin-6 (IL-6) and low O2 concentration (1%) synergize to improve the maintenance of hematopoietic stem cells (pre-CFC). Journal of Cellular Physiology, 2007, 212, 68-75.	2.0	39
11	The Roles of Mesenchymal Stromal/Stem Cells in Tumor Microenvironment Associated with Inflammation. Mediators of Inflammation, 2016, 2016, 1-14.	1.4	35
12	Inflammatory cytokines prime adipose tissue mesenchymal stem cells to enhance malignancy of <scp>MCF</scp>â€ breast cancer cells via transforming growth factorâ€Î²1. IUBMB Life, 2016, 68, 190-200.	1.5	35
13	Urokinase type plasminogen activator mediates Interleukin-17-induced peripheral blood mesenchymal stem cell motility and transendothelial migration. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 431-444.	1.9	30
14	Characteristics of human adipose mesenchymal stem cells isolated from healthy and cancer affected people and their interactions with human breast cancer cell line M<scp>CF</scp>â€ in vitro. Cell Biology International, 2014, 38, 254-265.	1.4	29
15	Interleukin-17 and Its Implication in the Regulation of Differentiation and Function of Hematopoietic and Mesenchymal Stem Cells. Mediators of Inflammation, 2015, 2015, 1-11.	1.4	26
16	Interleukin-17 modulates myoblast cell migration by inhibiting urokinase type plasminogen activator expression through p38 mitogen-activated protein kinase. International Journal of Biochemistry and Cell Biology, 2013, 45, 464-475.	1.2	25
17	IL-17 and FGF signaling involved in mouse mesenchymal stem cell proliferation. Cell and Tissue Research, 2011, 346, 305-316.	1.5	23
18	Metabolic Plasticity of Stem Cells and Macrophages in Cancer. Frontiers in Immunology, 2017, 8, 939.	2.2	23

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19	Mesenchymal stem cells isolated from human periodontal ligament. Archives of Biological Sciences, 2014, 66, 261-271.	0.2	21
20	The inhibition of periodontal ligament stem cells osteogenic differentiation by IL-17 is mediated via MAPKs. International Journal of Biochemistry and Cell Biology, 2016, 71, 92-101.	1.2	20
21	Improving stemness and functional features of mesenchymal stem cells from Wharton's jelly of a human umbilical cord by mimicking the native, low oxygen stem cell niche. Placenta, 2019, 82, 25-34.	0.7	16
22	Low O2 concentrations enhance theÂpositive effect ofÂIL-17 onÂtheÂmaintenance ofÂerythroid progenitors during co-culture ofÂCD34+ andÂmesenchymal stem cells. European Cytokine Network, 2009, 20, 010-016.	1.1	15
23	p38 MAPK signaling mediates IL-17-induced nitric oxide synthase expression in bone marrow cells. Growth Factors, 2009, 27, 79-90.	0.5	15
24	Doxycycline Inhibits IL-17-Stimulated MMP-9 Expression by Downregulating ERK1/2 Activation: Implications in Myogenic Differentiation. Mediators of Inflammation, 2016, 2016, 1-11.	1.4	15
25	Vitamin D3 Stimulates Proliferation Capacity, Expression of Pluripotency Markers, and Osteogenesis of Human Bone Marrow Mesenchymal Stromal/Stem Cells, Partly through SIRT1 Signaling. Biomolecules, 2022, 12, 323.	1.8	15
26	ILâ€33 guides osteogenesis and increases proliferation and pluripotency marker expression in dental stem cells. Cell Proliferation, 2019, 52, e12533.	2.4	14
27	Gene expression profile of circulating CD34+ cells and granulocytes in chronic myeloid leukemia. Blood Cells, Molecules, and Diseases, 2015, 55, 373-381.	0.6	12
28	Adipogenesis in Different Body Depots and Tumor Development. Frontiers in Cell and Developmental Biology, 2020, 8, 571648.	1.8	12
29	Syphacia obvelata modifies mitogen-activated protein kinases and nitric oxide synthases expression in murine bone marrow cells. Parasitology International, 2010, 59, 82-88.	0.6	10
30	In vitro effects of <scp>IL</scp>â€17 on angiogenic properties of endothelial cells in relation to oxygen levels. Cell Biology International, 2013, 37, 1162-1170.	1.4	10
31	Modulating stemness of mesenchymal stem cells from exfoliated deciduous and permanent teeth by ILâ€17 and bFGF. Journal of Cellular Physiology, 2021, 236, 7322-7341.	2.0	10
32	Inflammatory niche: Mesenchymal stromal cell priming by soluble mediators. World Journal of Stem Cells, 2020, 12, 922-937.	1.3	10
33	Mesenchymal stromal cell engagement in cancer cell epithelial to mesenchymal transition. Developmental Dynamics, 2018, 247, 359-367.	0.8	9
34	Tumorigenic Aspects of MSC Senescenceâ€"Implication in Cancer Development and Therapy. Journal of Personalized Medicine, 2021, 11, 1133.	1.1	9
35	Immunomodulatory capacity of human mesenchymal stem cells isolated from adipose tissue, dental pulp, peripheral blood and umbilical cord Whartonâ€™s jelly. Central-European Journal of Immunology, 2013, 4, 421-429.	0.4	8
36	A Single-Cell Raman Spectroscopy Analysis of Bone Marrow Mesenchymal Stem/Stromal Cells to Identify Inter-Individual Diversity. International Journal of Molecular Sciences, 2022, 23, 4915.	1.8	6

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37	Adipoinductive effect of extracellular matrix involves cytoskeleton changes and SIRT1 activity in adipose tissue stem/stromal cells. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, S370-S382.	1.9	5
38	Dental mesenchymal stromal/stem cells in different microenvironmentsâ€" implications in regenerative therapy. World Journal of Stem Cells, 2021, 13, 1863-1880.	1.3	4
39	Interleukin-17 modulates uPA and MMP2 expression in human periodontal ligament mesenchymal stem cells: Involvement of the ERK1/2 MAPK pathway. Archives of Biological Sciences, 2022, 74, 15-24.	0.2	1
40	Obesity: An Emerging Importance of Progenitors. Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry, 2017, 16, .	0.5	0