Alexandra Stolzing

List of Publications by Year in Descending Order

70 papers	4,422 citations	32 h-index	66 g-index
81 ext. papers	5,080 ext. citations	5.1 avg, IF	5.86 L-index

#	Paper	IF	Citations
70	Efficient and safe correction of hemophilia A by lentiviral vector-transduced BOECs in an implantable device. *Molecular Therapy - Methods and Clinical Development*, **2021**, 23, 551-566	6.4	1
69	Dissecting primary and secondary senescence to enable new senotherapeutic strategies. *Ageing Research Reviews*, **2021**, 70, 101412	12	2
68	Role of immune cells in the removal of deleterious senescent cells. *Immunity and Ageing*, **2020**, 17, 16	9.7	71
67	Dimethyl sulfoxide: a central player since the dawn of cryobiology, is efficacy balanced by toxicity?. *Regenerative Medicine*, **2020**, 15, 1463-1491	2.5	45
66	Cryopreservation of Mesenchymal Stem Cells Using Medical Grade Ice Nucleation Inducer. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	4
65	Multiparameter flow cytometric detection and quantification of senescent cells in vitro. *Biogerontology*, **2020**, 21, 773-786	4.5	5
64	Doxorubicin generates senescent microglia that exhibit altered proteomes, higher levels of cytokine secretion, and a decreased ability to internalize amyloid □*Experimental Cell Research*, **2020**, 395, 112203	4.2	8
63	Intranasal Administration of Mesenchymal Stem Cells Ameliorates the Abnormal Dopamine Transmission System and Inflammatory Reaction in the R6/2 Mouse Model of Huntington Disease. *Cells*, **2019**, 8,	7.9	30
62	Systematic Review of miRNA as Biomarkers in Alzheimer\'s Disease. *Molecular Neurobiology*, **2019**, 56, 6156-6167	6.2	123
61	Functional regeneration of tissue engineered skeletal muscle in vitro is dependent on the inclusion of basement membrane proteins. *Cytoskeleton*, **2019**, 76, 371-382	2.4	5
60	The role of lipid metabolism in aging, lifespan regulation, and age-related disease. *Aging Cell*, **2019**, 18, e13048	9.9	114
59	Transplantation of bone marrow derived macrophages reduces markers of neuropathology in an APP/PS1 mouse model. *Translational Neurodegeneration*, **2019**, 8, 33	10.3	3
58	Anharmonic acoustic effects during DNA hybridization on an electrochemical quartz crystal resonator. *Electrochimica Acta*, **2018**, 269, 526-533	6.7	
57	Cellular senescence: Immunosurveillance and future immunotherapy. *Ageing Research Reviews*, **2018**, 43, 17-25	12	101
56	Methods of Mesenchymal Stem Cell Homing to the Blood-Brain Barrier. *Methods in Molecular Biology*, **2018**, 1842, 81-91	1.4	19
55	Stem cells in degenerative orthopaedic pathologies: effects of aging on therapeutic potential. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2017**, 25, 626-636	5.5	20
54	Effect of systemic transplantation of bone marrow-derived mesenchymal stem cells on neuropathology markers in APP/PS1 Alzheimer mice. *Neuropathology and Applied Neurobiology*, **2017**, 43, 299-314	5.2	62

53	Distribution pattern following systemic mesenchymal stem cell injection depends on the age of the recipient and neuronal health. *Stem Cell Research and Therapy*, **2017**, 8, 85	8.3	22
52	Bistable Epigenetic States Explain Age-Dependent Decline in Mesenchymal Stem Cell Heterogeneity. *Stem Cells*, **2017**, 35, 694-704	5.8	10
51	Comparison of different cooling rates for fibroblast and keratinocyte cryopreservation. *Journal of Tissue Engineering and Regenerative Medicine*, **2016**, 10, E354-E364	4.4	9
50	Cryopreservation of dermal fibroblasts and keratinocytes in hydroxyethyl starch-based cryoprotectants. *BMC Biotechnology*, **2016**, 16, 85	3.5	11
49	Therapeutic potential of mesenchymal stem cells for pulmonary complications associated with preterm birth. *International Journal of Biochemistry and Cell Biology*, **2016**, 74, 18-32	5.6	11
48	Protective effects of alpha phenyl-tert-butyl nitrone and ascorbic acid in human adipose derived mesenchymal stem cells from differently aged donors. *Aging*, **2016**, 9, 340-352	5.6	9
47	Scalability and process transfer of mesenchymal stromal cell production from monolayer to microcarrier culture using human platelet lysate. *Cytotherapy*, **2016**, 18, 523-35	4.8	27
46	Biomarkers to identify and isolate senescent cells. *Ageing Research Reviews*, **2016**, 29, 1-12	12	85
45	Generation of human induced pluripotent stem cells using non-synthetic mRNA. *Stem Cell Research*, **2016**, 16, 662-72	1.6	27
44	Migrational changes of mesenchymal stem cells in response to cytokines, growth factors, hypoxia, and aging. *Experimental Cell Research*, **2015**, 338, 97-104	4.2	48
43	Biodistribution of in vitro-derived microglia applied intranasally and intravenously to mice: effects of aging. *Cytotherapy*, **2015**, 17, 1617-26	4.8	9
42	H3K4me1 marks DNA regions hypomethylated during aging in human stem and differentiated cells. *Genome Research*, **2015**, 25, 27-40	9.7	89
41	Detection and Quantification of Amyloid, Pyroglutamyl A and Tau in Aged Canines. *Journal of Neuropathology and Experimental Neurology*, **2015**, 74, 912-23	3.1	41
40	Serum-free process development: improving the yield and consistency of human mesenchymal stromal cell production. *Cytotherapy*, **2015**, 17, 1524-35	4.8	28
39	The aging signature: a hallmark of induced pluripotent stem cells?. *Aging Cell*, **2014**, 13, 2-7	9.9	62
38	Influence of murine mesenchymal stem cells on proliferation, phenotype, vitality, and cytotoxicity of murine cytokine-induced killer cells in coculture. *PLoS ONE*, **2014**, 9, e88115	3.7	6
37	Intranasal delivery of bone marrow-derived mesenchymal stem cells, macrophages, and microglia to the brain in mouse models of Alzheimer\'s and Parkinson\'s disease. *Cell Transplantation*, **2014**, 23 Suppl 1, S123-39	4	91
36	Regulating aging in adult stem cells with microRNA. *Zeitschrift Fur Gerontologie Und Geriatrie*, **2013**, 46, 629-34	2.7	16

35	Hydroxyethylstarch in cryopreservation - mechanisms, benefits and problems. *Transfusion and Apheresis Science*, **2012**, 46, 137-47	2.4	64
34	Effect of different freezing rates during cryopreservation of rat mesenchymal stem cells using combinations of hydroxyethyl starch and dimethylsulfoxide. *BMC Biotechnology*, **2012**, 12, 49	3.5	58
33	Microglia differentiation using a culture system for the expansion of mice non-adherent bone marrow stem cells. *Journal of Inflammation*, **2012**, 9, 12	6.7	8
32	The role of DNA methylation in aging, rejuvenation, and age-related disease. *Rejuvenation Research*, **2012**, 15, 483-94	2.6	214
31	Suspension cultures of bone-marrow-derived mesenchymal stem cells: effects of donor age and glucose level. *Stem Cells and Development*, **2012**, 21, 2718-23	4.4	35
30	Culture on fibrin matrices maintains the colony-forming capacity and osteoblastic differentiation of mesenchymal stem cells. *Biomedical Materials (Bristol)*, **2012**, 7, 045015	3.5	14
29	The cannabinoid receptors agonist WIN55212-2 inhibits macrophageal differentiation and alters expression and phosphorylation of cell cycle control proteins. *Cell Communication and Signaling*, **2011**, 9, 33	7.5	7
28	Angiogenic properties of aged adipose derived mesenchymal stem cells after hypoxic conditioning. *Journal of Translational Medicine*, **2011**, 9, 10	8.5	149
27	Differentiation of mouse bone marrow derived stem cells toward microglia-like cells. *BMC Cell Biology*, **2011**, 12, 35		32
26	Personal profile: interview with Alexandra Stolzing, Ph.D. Interview by Vicki Glaser. *Rejuvenation Research*, **2011**, 14, 347-8	2.6	4
25	Effect of age and diabetes on the response of mesenchymal progenitor cells to fibrin matrices. *International Journal of Biomaterials*, **2011**, 2011, 378034	3.2	16
24	Diabetes induced changes in rat mesenchymal stem cells. *Cells Tissues Organs*, **2010**, 191, 453-65	2.1	101
23	Allogeneic non-adherent bone marrow cells facilitate hematopoietic recovery but do not lead to allogeneic engraftment. *PLoS ONE*, **2009**, 4, e6157	3.7	11
22	Age-related changes in human bone marrow-derived mesenchymal stem cells: consequences for cell therapies. *Mechanisms of Ageing and Development*, **2008**, 129, 163-73	5.6	882
21	Fusion and regenerative therapies: is immortality really recessive?. *Rejuvenation Research*, **2007**, 10, 571-86	2.6	11
20	Cellular therapy using microglial cells. *Rejuvenation Research*, **2007**, 10, 87-99	2.6	12
19	Degradation of glycated bovine serum albumin in microglial cells. *Free Radical Biology and Medicine*, **2006**, 40, 1017-27	7.8	45
18	Tocopherol-mediated modulation of age-related changes in microglial cells: turnover of extracellular oxidized protein material. *Free Radical Biology and Medicine*, **2006**, 40, 2126-35	7.8	28

17	Effect of reduced culture temperature on antioxidant defences of mesenchymal stem cells. *Free Radical Biology and Medicine*, **2006**, 41, 326-38	7.8	53
16	Glucose-induced replicative senescence in mesenchymal stem cells. *Rejuvenation Research*, **2006**, 9, 31-5	2.6	110
15	Stressed stem cells: Temperature response in aged mesenchymal stem cells. *Stem Cells and Development*, **2006**, 15, 478-87	4.4	43
14	Aging of mesenchymal stem cells. *Ageing Research Reviews*, **2006**, 5, 91-116	12	485
13	Immunoproteasome and LMP2 polymorphism in aged and Alzheimer's disease brains. *Neurobiology of Aging*, **2006**, 27, 54-66	5.6	162
12	Phosphorylation inhibits turnover of the tau protein by the proteasome: influence of RCAN1 and oxidative stress. *Biochemical Journal*, **2006**, 400, 511-20	3.8	137
11	Age-related impairment of mesenchymal progenitor cell function. *Aging Cell*, **2006**, 5, 213-24	9.9	171
10	Chronically active: activation of microglial proteolysis in ageing and neurodegeneration. *Redox Report*, **2005**, 10, 207-13	5.9	8
9	Neuronal apoptotic bodies: phagocytosis and degradation by primary microglial cells. *FASEB Journal*, **2004**, 18, 743-5	0.9	85
8	Watch your notch: a link between aging and stem cell fate?. *Rejuvenation Research*, **2004**, 7, 9-11	2.6	4
7	Protein oxidation and the degradation of oxidized proteins in the rat oligodendrocyte cell line OLN 93-antioxidative effect of the intracellular spin trapping agent PBN. *Molecular Brain Research*, **2004**, 122, 126-32		16
6	Antioxidants effectively prevent oxidation-induced protein damage in OLN 93 cells. *Archives of Biochemistry and Biophysics*, **2004**, 421, 54-60	4.1	21
5	Impairment of protein homeostasis and decline of proteasome activity in microglial cells from adult Wistar rats. *Journal of Neuroscience Research*, **2003**, 71, 264-71	4.4	19
4	The consequences of acute cold exposure on protein oxidation and proteasome activity in short-tailed field voles, microtus agrestis. *Free Radical Biology and Medicine*, **2002**, 33, 259-65	7.8	63
3	Degradation of oxidized extracellular proteins by microglia. *Archives of Biochemistry and Biophysics*, **2002**, 400, 171-9	4.1	26
2	The proteasome and its function in the ageing process. *Clinical and Experimental Dermatology*, **2001**, 26, 566-72	1.8	44
1	Proteolysis, caloric restriction and aging. *Mechanisms of Ageing and Development*, **2001**, 122, 595-615	5.6	66