Majlinda Lako

List of Publications by Citations

179 papers	10,119 citations	51 h-index	97 g-index
208 ext. papers	11,588 ext. citations	6.4 avg, IF	5.87 L-index

#	Paper	IF	Citations
179	Characterization of human embryonic stem cell lines by the International Stem Cell Initiative. *Nature Biotechnology*, **2007**, 25, 803-16	44.5	857
178	A gene related to Caenorhabditis elegans spermatogenesis factor fer-1 is mutated in limb-girdle muscular dystrophy type 2B. *Nature Genetics*, **1998**, 20, 37-42	36.3	545
177	Screening ethnically diverse human embryonic stem cells identifies a chromosome 20 minimal amplicon conferring growth advantage. *Nature Biotechnology*, **2011**, 29, 1132-44	44.5	406
176	The role of PI3K/AKT, MAPK/ERK and NFkappabeta signalling in the maintenance of human embryonic stem cell pluripotency and viability highlighted by transcriptional profiling and functional analysis. *Human Molecular Genetics*, **2006**, 15, 1894-913	5.6	313
175	Downregulation of NANOG induces differentiation of human embryonic stem cells to extraembryonic lineages. *Stem Cells*, **2005**, 23, 1035-43	5.8	304
174	Ethical and Safety Issues of Stem Cell-Based Therapy. *International Journal of Medical Sciences*, **2018**, 15, 36-45	3.7	297
173	Efficient hematopoietic differentiation of human embryonic stem cells on stromal cells derived from hematopoietic niches. *Cell Stem Cell*, **2008**, 3, 85-98	18	252
172	Human induced pluripotent stem cell lines show stress defense mechanisms and mitochondrial regulation similar to those of human embryonic stem cells. *Stem Cells*, **2010**, 28, 661-73	5.8	239
171	Downregulation of multiple stress defense mechanisms during differentiation of human embryonic stem cells. *Stem Cells*, **2008**, 26, 455-64	5.8	217
170	Stress defense in murine embryonic stem cells is superior to that of various differentiated murine cells. *Stem Cells*, **2004**, 22, 962-71	5.8	207
169	Phenotypic characterization of murine primitive hematopoietic progenitor cells isolated on basis of aldehyde dehydrogenase activity. *Stem Cells*, **2004**, 22, 1142-51	5.8	206
168	An autogeneic feeder cell system that efficiently supports growth of undifferentiated human embryonic stem cells. *Stem Cells*, **2005**, 23, 306-14	5.8	203
167	13 years of cultured limbal epithelial cell therapy: a review of the outcomes. *Journal of Cellular Biochemistry*, **2011**, 112, 993-1002	4.7	173
166	Differentiation of human embryonic stem cells into corneal epithelial-like cells by in vitro replication of the corneal epithelial stem cell niche. *Stem Cells*, **2007**, 25, 1145-55	5.8	167
165	Derivation of human embryonic stem cells from developing and arrested embryos. *Stem Cells*, **2006**, 24, 2669-76	5.8	157
164	A role for NANOG in G1 to S transition in human embryonic stem cells through direct binding of CDK6 and CDC25A. *Journal of Cell Biology*, **2009**, 184, 67-82	7.3	156
163	Hair follicle dermal cells repopulate the mouse haematopoietic system. *Journal of Cell Science*, **2002**, 115, 3967-74	5.3	153

162	Expression and functional analysis of G1 to S regulatory components reveals an important role for CDK2 in cell cycle regulation in human embryonic stem cells. *Oncogene*, **2009**, 28, 20-30	9.2	145
161	Isolation of primordial germ cells from differentiating human embryonic stem cells. *Stem Cells*, **2008**, 26, 3075-85	5.8	140
160	Derivation of human embryonic stem cells from day-8 blastocysts recovered after three-step in vitro culture. *Stem Cells*, **2004**, 22, 790-7	5.8	135
159	Efficient stage-specific differentiation of human pluripotent stem cells toward retinal photoreceptor cells. *Stem Cells*, **2012**, 30, 673-86	5.8	134
158	Successful clinical implementation of corneal epithelial stem cell therapy for treatment of unilateral limbal stem cell deficiency. *Stem Cells*, **2010**, 28, 597-610	5.8	129
157	Derivation of a human blastocyst after heterologous nuclear transfer to donated oocytes. *Reproductive BioMedicine Online*, **2005**, 11, 226-31	4	128
156	Overexpression of telomerase confers growth advantage, stress resistance, and enhanced differentiation of ESCs toward the hematopoietic lineage. *Stem Cells*, **2005**, 23, 516-29	5.8	119
155	G1 to S phase cell cycle transition in somatic and embryonic stem cells. *Journal of Anatomy*, **2008**, 213, 30-44	2.9	116
154	Activation of p53 by nutlin leads to rapid differentiation of human embryonic stem cells. *Oncogene*, **2008**, 27, 5277-87	9.2	112
153	Isolation, characterisation and embryonic expression of WNT11, a gene which maps to 11q13.5 and has possible roles in the development of skeleton, kidney and lung. *Gene*, **1998**, 219, 101-10	3.8	107
152	Derivation, growth and applications of human embryonic stem cells. *Reproduction*, **2004**, 128, 259-67	3.8	105
151	Human-serum matrix supports undifferentiated growth of human embryonic stem cells. *Stem Cells*, **2005**, 23, 895-902	5.8	104
150	An important role for CDK2 in G1 to S checkpoint activation and DNA damage response in human embryonic stem cells. *Stem Cells*, **2011**, 29, 651-9	5.8	103
149	Epigenetic modification is central to genome reprogramming in somatic cell nuclear transfer. *Stem Cells*, **2006**, 24, 805-14	5.8	100
148	A key role for telomerase reverse transcriptase unit in modulating human embryonic stem cell proliferation, cell cycle dynamics, and in vitro differentiation. *Stem Cells*, **2008**, 26, 850-63	5.8	99
147	mTert expression correlates with telomerase activity during the differentiation of murine embryonic stem cells. *Mechanisms of Development*, **2000**, 97, 109-16	1.7	98
146	3D culture of human pluripotent stem cells in RGD-alginate hydrogel improves retinal tissue development. *Acta Biomaterialia*, **2017**, 49, 329-343	10.8	96
145	IGF-1 Signaling Plays an Important Role in the Formation of Three-Dimensional Laminated Neural Retina and Other Ocular Structures From Human Embryonic Stem Cells. *Stem Cells*, **2015**, 33, 2416-30	5.8	88

144	Human-Induced Pluripotent Stem Cells Generate Light Responsive Retinal Organoids with Variable and Nutrient-Dependent Efficiency. *Stem Cells*, **2018**, 36, 1535-1551	5.8	86
143	Disrupted alternative splicing for genes implicated in splicing and ciliogenesis causes PRPF31 retinitis pigmentosa. *Nature Communications*, **2018**, 9, 4234	17.4	85
142	Reproducibility of Molecular Phenotypes after Long-Term Differentiation to Human iPSC-Derived Neurons: A Multi-Site Omics Study. *Stem Cell Reports*, **2018**, 11, 897-911	8	84
141	Successful application of ex vivo expanded human autologous oral mucosal epithelium for the treatment of total bilateral limbal stem cell deficiency. *Stem Cells*, **2014**, 32, 2135-46	5.8	78
140	Co-expression of SARS-CoV-2 entry genes in the superficial adult human conjunctival, limbal and corneal epithelium suggests an additional route of entry via the ocular surface. *Ocular Surface*, **2021**, 19, 190-200	6.5	71
139	Characterisation of Wnt gene expression during the differentiation of murine embryonic stem cells in vitro: role of Wnt3 in enhancing haematopoietic differentiation. *Mechanisms of Development*, **2001**, 103, 49-59	1.7	69
138	Epigenetic landscaping during hESC differentiation to neural cells. *Stem Cells*, **2009**, 27, 1298-308	5.8	63
137	Stem cells as new agents for the treatment of infertility: current and future perspectives and challenges. *BioMed Research International*, **2014**, 2014, 507234	3	59
136	Loss of corneal epithelial stem cell properties in outgrowths from human limbal explants cultured on intact amniotic membrane. *Regenerative Medicine*, **2008**, 3, 329-42	2.5	59
135	Derivation and functional analysis of patient-specific induced pluripotent stem cells as an in vitro model of chronic granulomatous disease. *Stem Cells*, **2012**, 30, 599-611	5.8	58
134	An induced pluripotent stem cell model of hypoplastic left heart syndrome (HLHS) reveals multiple expression and functional differences in HLHS-derived cardiac myocytes. *Stem Cells Translational Medicine*, **2014**, 3, 416-23	6.9	57
133	A novel model of urinary tract differentiation, tissue regeneration, and disease: reprogramming human prostate and bladder cells into induced pluripotent stem cells. *European Urology*, **2013**, 64, 753-61	10.2	57
132	Putative role of hyaluronan and its related genes, HAS2 and RHAMM, in human early preimplantation embryogenesis and embryonic stem cell characterization. *Stem Cells*, **2007**, 25, 3045-57	5.8	57
131	Cellular regeneration strategies for macular degeneration: past, present and future. *Eye*, **2018**, 32, 946-971	4.4	52
130	Identification of a novel family of human endogenous retroviruses and characterization of one family member, HERV-K(C4), located in the complement C4 gene cluster. *Nucleic Acids Research*, **1994**, 22, 5211-7	20.1	52
129	SCL/TAL1 regulates hematopoietic specification from human embryonic stem cells. *Molecular Therapy*, **2012**, 20, 1443-53	11.7	51
128	The limbal epithelium of the eye--a review of limbal stem cell biology, disease and treatment. *BioEssays*, **2013**, 35, 211-9	4.1	50
127	Concise review: putting a finger on stem cell biology: zinc finger nuclease-driven targeted genetic editing in human pluripotent stem cells. *Stem Cells*, **2011**, 29, 1021-33	5.8	50

126	Transplantation of magnetically labeled mesenchymal stem cells in a model of perinatal brain injury. *Stem Cell Research*, **2010**, 5, 255-66	1.6	50
125	Deconstructing Retinal Organoids: Single Cell RNA-Seq Reveals the Cellular Components of Human Pluripotent Stem Cell-Derived Retina. *Stem Cells*, **2019**, 37, 593-598	5.8	50
124	CDK1 plays an important role in the maintenance of pluripotency and genomic stability in human pluripotent stem cells. *Cell Death and Disease*, **2014**, 5, e1508	9.8	49
123	Primordial Germ Cells: Current Knowledge and Perspectives. *Stem Cells International*, **2016**, 2016, 1741072	5.2	48
122	Systematic Comparison of Retinal Organoid Differentiation from Human Pluripotent Stem Cells Reveals Stage Specific, Cell Line, and Methodological Differences. *Stem Cells Translational Medicine*, **2019**, 8, 694-706	6.9	47
121	Corneal epithelial stem cells: characterization, culture and transplantation. *Regenerative Medicine*, **2006**, 1, 29-44	2.5	47
120	A novel mammalian wnt gene, WNT8B, shows brain-restricted expression in early development, with sharply delimited expression boundaries in the developing forebrain. *Human Molecular Genetics*, **1998**, 7, 813-22	5.6	46
119	Rapid establishment of the European Bank for induced Pluripotent Stem Cells (EBiSC) - the Hot Start experience. *Stem Cell Research*, **2017**, 20, 105-114	1.6	45
118	Stem cell therapies for ocular surface disease. *Drug Discovery Today*, **2010**, 15, 306-13	8.8	45
117	Mechanisms of self-renewal in human embryonic stem cells. *European Journal of Cancer*, **2006**, 42, 1257-72	7.5	45
116	Brief report: human pluripotent stem cell models of fanconi anemia deficiency reveal an important role for fanconi anemia proteins in cellular reprogramming and survival of hematopoietic progenitors. *Stem Cells*, **2013**, 31, 1022-9	5.8	44
115	An integrated transcriptional analysis of the developing human retina. *Development (Cambridge)*, **2019**, 146,	6.6	42
114	An Induced Pluripotent Stem Cell Patient Specific Model of Complement Factor H (Y402H) Polymorphism Displays Characteristic Features of Age-Related Macular Degeneration and Indicates a Beneficial Role for UV Light Exposure. *Stem Cells*, **2017**, 35, 2305-2320	5.8	38
113	CRX Expression in Pluripotent Stem Cell-Derived Photoreceptors Marks a Transplantable Subpopulation of Early Cones. *Stem Cells*, **2019**, 37, 609-622	5.8	36
112	Gelsolin dysfunction causes photoreceptor loss in induced pluripotent cell and animal retinitis pigmentosa models. *Nature Communications*, **2017**, 8, 271	17.4	36
111	A human iPSC model of Ligase IV deficiency reveals an important role for NHEJ-mediated-DSB repair in the survival and genomic stability of induced pluripotent stem cells and emerging haematopoietic progenitors. *Cell Death and Differentiation*, **2013**, 20, 1089-100	12.7	36
110	A putative role for RHAMM/HMMR as a negative marker of stem cell-containing population of human limbal epithelial cells. *Stem Cells*, **2008**, 26, 1609-19	5.8	36
109	Concise Review: Cardiac Disease Modeling Using Induced Pluripotent Stem Cells. *Stem Cells*, **2015**, 33, 2643-51	5.8	35

108	Expression of GFP under the control of the RNA helicase VASA permits fluorescence-activated cell sorting isolation of human primordial germ cells. *Stem Cells*, **2010**, 28, 84-92	5.8	34
107	Epigenetic marking prepares the human HOXA cluster for activation during differentiation of pluripotent cells. *Stem Cells*, **2008**, 26, 1174-85	5.8	34
106	Human embryonic stem cells: biology and clinical implications. *Expert Reviews in Molecular Medicine*, **2005**, 7, 1-21	6.7	34
105	Generating inner ear organoids containing putative cochlear hair cells from human pluripotent stem cells. *Cell Death and Disease*, **2018**, 9, 922	9.8	34
104	Induced pluripotent stem cell modelling of HLHS underlines the contribution of dysfunctional NOTCH signalling to impaired cardiogenesis. *Human Molecular Genetics*, **2017**, 26, 3031-3045	5.6	31
103	Decellularised extracellular matrix-derived peptides from neural retina and retinal pigment epithelium enhance the expression of synaptic markers and light responsiveness of human pluripotent stem cell derived retinal organoids. *Biomaterials*, **2019**, 199, 63-75	15.6	30
102	Opposing putative roles for canonical and noncanonical NFB signaling on the survival, proliferation, and differentiation potential of human embryonic stem cells. *Stem Cells*, **2010**, 28, 1970-80	5.8	30
101	Development Refractoriness of MLL-Rearranged Human B Cell Acute Leukemias to Reprogramming into Pluripotency. *Stem Cell Reports*, **2016**, 7, 602-618	8	29
100	Brief Report: Inhibition of miR-145 Enhances Reprogramming of Human Dermal Fibroblasts to Induced Pluripotent Stem Cells. *Stem Cells*, **2016**, 34, 246-51	5.8	29
99	Hepatic differentiation of human iPSCs in different 3D models: A comparative study. *International Journal of Molecular Medicine*, **2017**, 40, 1759-1771	4.4	27
98	Analysis of human ES cell differentiation establishes that the dominant isoforms of the lncRNAs RMST and FIRRE are circular. *BMC Genomics*, **2018**, 19, 276	4.5	27
97	The mitochondrial protein CHCHD2 primes the differentiation potential of human induced pluripotent stem cells to neuroectodermal lineages. *Journal of Cell Biology*, **2016**, 215, 187-202	7.3	27
96	A putative role for the immunoproteasome in the maintenance of pluripotency in human embryonic stem cells. *Stem Cells*, **2012**, 30, 1373-84	5.8	27
95	Aging of Stem and Progenitor Cells: Mechanisms, Impact on Therapeutic Potential, and Rejuvenation. *Rejuvenation Research*, **2016**, 19, 3-12	2.6	26
94	Using Zinc Finger Nuclease Technology to Generate CRX-Reporter Human Embryonic Stem Cells as a Tool to Identify and Study the Emergence of Photoreceptors Precursors During Pluripotent Stem Cell Differentiation. *Stem Cells*, **2016**, 34, 311-21	5.8	26
93	Germline TET2 loss of function causes childhood immunodeficiency and lymphoma. *Blood*, **2020**, 136, 1055-1066	2.2	25
92	Human iPSC differentiation to retinal organoids in response to IGF1 and BMP4 activation is line- and method-dependent. *Stem Cells*, **2020**, 38, 195-201	5.8	22
91	Gamma-irradiated human amniotic membrane decellularised with sodium dodecyl sulfate is a more efficient substrate for the ex vivo expansion of limbal stem cells. *Acta Biomaterialia*, **2017**, 61, 124-133	10.8	22

90	Extracellular matrix component expression in human pluripotent stem cell-derived retinal organoids recapitulates retinogenesis in vivo and reveals an important role for IMPG1 and CD44 in the development of photoreceptors and interphotoreceptor matrix. *Acta Biomaterialia*, **2018**, 74, 207-221	10.8	22
89	Retinoid supplementation of differentiating human neural progenitors and embryonic stem cells leads to enhanced neurogenesis in vitro. *Journal of Neuroscience Methods*, **2010**, 193, 239-45	3	21
88	Differences in the Activity of Endogenous Bone Morphogenetic Protein Signaling Impact on the Ability of Induced Pluripotent Stem Cells to Differentiate to Corneal Epithelial-Like Cells. *Stem Cells* , **2018**, 36, 337-348	5.8	21
87	Isolation of a full-length human WNT7A gene implicated in limb development and cell transformation, and mapping to chromosome 3p25. *Gene*, **1997**, 189, 25-9	3.8	20
86	Non-invasive imaging of stem cells by scanning ion conductance microscopy: future perspective. *Tissue Engineering - Part C: Methods*, **2008**, 14, 311-8	2.9	20
85	Developing a simple method to enhance the generation of cone and rod photoreceptors in pluripotent stem cell-derived retinal organoids. *Stem Cells*, **2020**, 38, 45-51	5.8	20
84	Preferential amplification of a human mitochondrial DNA deletion in vitro and in vivo. *Scientific Reports*, **2018**, 8, 1799	4.9	19
83	Silencing of the expression of pluripotent driven-reporter genes stably transfected into human pluripotent cells. *Regenerative Medicine*, **2008**, 3, 505-22	2.5	19
82	Complement modulation reverses pathology in Y402H-retinal pigment epithelium cell model of age-related macular degeneration by restoring lysosomal function. *Stem Cells Translational Medicine*, **2020**, 9, 1585-1603	6.9	19
81	A Novel Role for miR-1305 in Regulation of Pluripotency-Differentiation Balance, Cell Cycle, and Apoptosis in Human Pluripotent Stem Cells. *Stem Cells*, **2016**, 34, 2306-17	5.8	19
80	A single cell atlas of human cornea that defines its development, limbal progenitor cells and their interactions with the immune cells. *Ocular Surface*, **2021**, 21, 279-298	6.5	19
79	iPSC modeling of severe aplastic anemia reveals impaired differentiation and telomere shortening in blood progenitors. *Cell Death and Disease*, **2018**, 9, 128	9.8	18
78	Insights into islet development and biology through characterization of a human iPSC-derived endocrine pancreas model. *Islets*, **2016**, 8, 83-95	2	18
77	A role for nucleoprotein Zap3 in the reduction of telomerase activity during embryonic stem cell differentiation. *Mechanisms of Development*, **2004**, 121, 1509-22	1.7	18
76	Differentiation of Retinal Organoids from Human Pluripotent Stem Cells. *Current Protocols in Stem Cell Biology*, **2019**, 50, e95	2.8	17
75	An investigation of donor and culture parameters which influence epithelial outgrowths from cultured human cadaveric limbal explants. *Journal of Cellular Physiology*, **2013**, 228, 1025-30	7	17
74	Isolation and characterization of WNT8B, a novel human Wnt gene that maps to 10q24. *Genomics*, **1996**, 35, 386-8	4.3	17
73	An important role for adenine, cholera toxin, hydrocortisone and triiodothyronine in the proliferation, self-renewal and differentiation of limbal stem cells in vitro. *Experimental Eye Research*, **2016**, 152, 113-122	3.7	17

72	The Role of Nerve Growth Factor in Maintaining Proliferative Capacity, Colony-Forming Efficiency, and the Limbal Stem Cell Phenotype. *Stem Cells*, **2019**, 37, 139-149	5.8	16
71	The Application of Biomaterials to Tissue Engineering Neural Retina and Retinal Pigment Epithelium. *Advanced Healthcare Materials*, **2018**, 7, e1800226	10.1	16
70	Staufen1 is expressed in preimplantation mouse embryos and is required for embryonic stem cell differentiation. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2008**, 1783, 1935-42	4.9	15
69	Brief report: a human induced pluripotent stem cell model of cernunnos deficiency reveals an important role for XLF in the survival of the primitive hematopoietic progenitors. *Stem Cells*, **2013**, 31, 2015-23	5.8	14
68	Understanding the complexity of retina and pluripotent stem cell derived retinal organoids with single cell RNA sequencing: current progress, remaining challenges and future prospective. *Current Eye Research*, **2020**, 45, 385-396	2.9	14
67	Transplanted pluripotent stem cell-derived photoreceptor precursors elicit conventional and unusual light responses in mice with advanced retinal degeneration. *Stem Cells*, **2021**, 39, 882-896	5.8	14
66	JNK/SAPK Signaling Is Essential for Efficient Reprogramming of Human Fibroblasts to Induced Pluripotent Stem Cells. *Stem Cells*, **2016**, 34, 1198-212	5.8	14
65	Quantification of the morphological characteristics of hESC colonies. *Scientific Reports*, **2019**, 9, 17569	4.9	14
64	AAV-Mediated Gene Augmentation Therapy Restores Critical Functions in Mutant PRPF31 iPSC-Derived RPE Cells. *Molecular Therapy - Methods and Clinical Development*, **2019**, 15, 392-402	6.4	13
63	Large-scale transcriptional profiling and functional assays reveal important roles for Rho-GTPase signalling and SCL during haematopoietic differentiation of human embryonic stem cells. *Human Molecular Genetics*, **2011**, 20, 4932-46	5.6	13
62	Laminin β plays an important role in retinal lamination, photoreceptor organisation and ganglion cell differentiation. *Cell Death and Disease*, **2018**, 9, 615	9.8	13
61	Human iPSC disease modelling reveals functional and structural defects in retinal pigment epithelial cells harbouring the m.3243A > G mitochondrial DNA mutation. *Scientific Reports*, **2017**, 7, 12320	4.9	12
60	Hematopoietic differentiation from human ESCs as a model for developmental studies and future clinical translations. Invited review following the FEBS Anniversary Prize received on 5 July 2009 at the 34th FEBS Congress in Prague. *FEBS Journal*, **2010**, 277, 5014-25	5.7	12
59	Recent Advances in Stem Cell Therapy for Limbal Stem Cell Deficiency: A Narrative Review. *Ophthalmology and Therapy*, **2020**, 9, 809-831	5	11
58	Multiplex High-Throughput Targeted Proteomic Assay To Identify Induced Pluripotent Stem Cells. *Analytical Chemistry*, **2017**, 89, 2440-2448	7.8	10
57	Lab generated retina: realizing the dream. *Visual Neuroscience*, **2014**, 31, 317-32	1.7	9
56	Potential for pharmacological manipulation of human embryonic stem cells. *British Journal of Pharmacology*, **2013**, 169, 269-89	8.6	9
55	Towards optimisation of induced pluripotent cell culture: Extracellular acidification results in growth arrest of iPSC prior to nutrient exhaustion. *Toxicology in Vitro*, **2017**, 45, 445-454	3.6	9

54	Genetic basis of inherited macular dystrophies and implications for stem cell therapy. *Stem Cells*, **2009**, 27, 2833-45	5.8	9
53	Generation of Human Induced Pluripotent Stem Cells Using RNA-Based Sendai Virus System and Pluripotency Validation of the Resulting Cell Population. *Methods in Molecular Biology*, **2016**, 1353, 285-307	1.4	8
52	Defining the optimal cryoprotectant and concentration for cryopreservation of limbal stem cells. *Cryobiology*, **2018**, 84, 98-102	2.7	8
51	Concise Review: Getting to the Core of Inherited Bone Marrow Failures. *Stem Cells*, **2017**, 35, 284-298	5.8	8
50	In the eye of the storm: SARS-CoV-2 infection and replication at the ocular surface?. *Stem Cells Translational Medicine*, **2021**, 10, 976-986	6.9	8
49	CD200 Expression Marks a Population of Quiescent Limbal Epithelial Stem Cells with Holoclone Forming Ability. *Stem Cells*, **2018**, 36, 1723-1735	5.8	8
48	A critical role for p38MAPK signalling pathway during reprogramming of human fibroblasts to iPSCs. *Scientific Reports*, **2017**, 7, 41693	4.9	7
47	Outcomes of Penetrating Keratoplasty Following Autologous Cultivated Limbal Epithelial Stem Cell Transplantation. *Stem Cells*, **2018**, 36, 925-931	5.8	7
46	Concise review: the epigenetic contribution to stem cell ageing: can we rejuvenate our older cells?. *Stem Cells*, **2014**, 32, 2291-8	5.8	7
45	Revisiting the role of factor H in age-related macular degeneration: Insights from complement-mediated renal disease and rare genetic variants. *Survey of Ophthalmology*, **2021**, 66, 378-401	6.1	7
44	Room temperature shipment does not affect the biological activity of pluripotent stem cell-derived retinal organoids. *PLoS ONE*, **2020**, 15, e0233860	3.7	6
43	Platform to study intracellular polystyrene nanoplastic pollution and clinical outcomes. *Stem Cells*, **2020**, 38, 1321-1325	5.8	6
42	G1 to S transition and pluripotency: Two sides of the same coin?. *Cell Cycle*, **2009**, 8, 1105-1111	4.7	6
41	Neural development by transplanted human embryonal carcinoma stem cells expressing green fluorescent protein. *Cell Transplantation*, **2005**, 14, 339-51	4	6
40	Coculture techniques for modeling retinal development and disease, and enabling regenerative medicine. *Stem Cells Translational Medicine*, **2020**, 9, 1531-1548	6.9	6
39	Use of induced pluripotent stem-cell technology to understand photoreceptor cytoskeletal dynamics in retinitis pigmentosa. *Lancet, The*, **2015**, 385 Suppl 1, S69	40	5
38	In search of the best candidate for regeneration of ischemic tissues: are embryonic/fetal stem cells more advantageous than adult counterparts?. *Thrombosis and Haemostasis*, **2005**, 94, 738-49	7	5
37	SARS-CoV-2 infects an upper airway model derived from induced pluripotent stem cells. *Stem Cells*, **2021**, 39, 1310-1321	5.8	5

36	IGFBPs mediate IGF-1 functions in retinal lamination and photoreceptor development during pluripotent stem cell differentiation to retinal organoids. *Stem Cells*, **2021**, 39, 458-466	5.8	5
35	Searching the unknown with gene trapping. *Expert Reviews in Molecular Medicine*, **2000**, 2, 1-11	6.7	4
34	Dissecting the Transcriptional and Chromatin Accessibility Heterogeneity of Proliferating Cone Precursors in Human Retinoblastoma Tumors by Single Cell Sequencing-Opening Pathways to New Therapeutic Strategies? **2021**, 62, 18		4
33	Pluripotent Stem Cell-Derived Hematopoietic Progenitors Are Unable to Downregulate Key Epithelial-Mesenchymal Transition-Associated miRNAs. *Stem Cells*, **2018**, 36, 55-64	5.8	3
32	The future of human nuclear transfer?. *Stem Cell Reviews and Reports*, **2006**, 2, 351-8	6.4	3
31	Endothelial Differentiation G Protein-Coupled Receptor 5 Plays an Important Role in Induction and Maintenance of Pluripotency. *Stem Cells*, **2019**, 37, 318-331	5.8	3
30	Hair Follicle Dermal Cells Support Expansion of Murine and Human Embryonic and Induced Pluripotent Stem Cells and Promote Haematopoiesis in Mouse Cultures. *Stem Cells International*, **2018**, 2018, 8631432	5	3
29	Mesenchymal Stem Cells for Diabetes and Related Complications **2013**, 207-227		2
28	Pre-mRNA Processing Factors and Retinitis Pigmentosa: RNA Splicing and Beyond. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 700276	5.7	2
27	Activation of autophagy reverses progressive and deleterious protein aggregation in PRPF31 patient-induced pluripotent stem cell-derived retinal pigment epithelium cells.. *Clinical and Translational Medicine*, **2022**, 12, e759	5.7	2
26	Engraftment Holy Grail: is one signal enough?. *Blood*, **2014**, 124, 3035-6	2.2	1
25	Balancing work and life: a conversation with Konrad Hochedlinger. Interview by Majlinda Lako and Susan Daher. *Stem Cells*, **2009**, 27, 991-2	5.8	1
24	Human Retinal Organoids Provide a Suitable Tool for Toxicological Investigations: A Comprehensive Validation Using Drugs and Compounds Affecting the Retina.. *Stem Cells Translational Medicine*, **2022**, 11, 159-177	6.9	1
23	How to build a human. *ELife*, **2016**, 5,	8.9	1
22	Corneal Epithelial Stem Cells and Their Therapeutic Application **2009**, 319-365		1
21	Stem Cells, Inflammation, and Fibrosis. *Stem Cells International*, **2016**, 2016, 3891386	5	1
20	Cell Therapy in Practice **2016**, 211-236		1
19	Law, ethics, religion, and clinical translation in the 21st century--a conversation with Anthony D. Ho. Interview by Majlinda Lako, Alan O. Trounson, and Susan Daher. *Stem Cells*, **2011**, 29, 387-8	5.8	0

18	Referral Patterns of Patients with Limbal Stem Cell Deficiency to a Specialized Tertiary Center in the United Kingdom. *Ophthalmology and Therapy*, **2021**, 10, 535-545	5	0
17	Corneal Epithelial Stem Cells: Methods for Ex Vivo Expansion. *Essentials in Ophthalmology*, **2019**, 77-97	0.2	
16	In Reply to the Letter to the Editor from Anderson et al.: An Induced Pluripotent Stem Cell Patient Specific Model of Complement Factor H (Y402H) Polymorphism Displays Characteristic Features of Age-Related Macular Degeneration and Indicates a Beneficial Role for UV Light Exposure. *Stem Cells*, **2018**, 36, 627-629	5.8	
15	Epigenetic Reprogramming During Somatic Cell Nuclear Transfer and the Development of Primordial Germ Cells **2011**, 25-44		
14	Balancing work and life: a conversation with Margaret "Peggy" Goodell. *Stem Cells*, **2009**, 27, 1227-8	5.8	
13	Balancing work and life: a conversation with Sean Morrison. *Stem Cells*, **2009**, 27, 1229-30	5.8	
12	Balancing work and life: a conversation with George Daley. Interviewed by Majlinda Lako and Susan Daher. *Stem Cells*, **2009**, 27, 1469-70	5.8	
11	Balancing work and life: a conversation with Marella de Bruijn. Interviewed by Majlinda Lako and Susan Daher. *Stem Cells*, **2009**, 27, 1471-2	5.8	
10	Balancing work and life: an interview with Kathleen Sakamoto. *Stem Cells*, **2009**, 27, 2053-5	5.8	
9	Balancing work and life: an interview with Connie Eaves. *Stem Cells*, **2009**, 27, 2056-8	5.8	
8	Law, ethics, religion, and clinical translation in the 21st century--a discussion with John Sinden. *Stem Cells*, **2010**, 28, 3-4	5.8	
7	Balancing work and life: finding our inspirations. *Stem Cells*, **2009**, 27, 761	5.8	
6	Balancing work and life: a conversation with Fiona Watt. Interview by Majlinda Lako and Susan Daher. *Stem Cells*, **2009**, 27, 762-3	5.8	
5	Balancing work and life: a conversation with Barbara Knowles. Interview by Majlinda Lako and Susan Daher. *Stem Cells*, **2009**, 27, 989-90	5.8	
4	Law, ethics, religion, and clinical translation in the 21st century--a discussion with Derek Hei. Interview by Majlinda Lako, Alan O. Trounson, Susan Rainey Daher. *Stem Cells*, **2010**, 28, 387-9	5.8	
3	Law, ethics, religion, and clinical translation in the 21st century--a conversation with Il-Hoan Oh. Interview by Majlinda Lako, Alan Trounson and Susan Daher. *Stem Cells*, **2010**, 28, 2121-3	5.8	
2	Extraembryonic Cell Differentiation. *Human Cell Culture*, **2007**, 173-188		
1	Response of human oral mucosal epithelial cells to different storage temperatures: A structural and transcriptional study. *PLoS ONE*, **2020**, 15, e0243914	3.7	