Michael J Young

List of Publications by Year
in descending order

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Version: 2024-02-01

71 papers	4,888 citations	109321 35 h-index	128289 60 g-index
71 all docs	71 docs citations	71 times ranked	4248 citing authors

#	Article	IF	Citations
1	Endogenous VEGF Is Required for Visual Function: Evidence for a Survival Role on MÃ¼ller Cells and Photoreceptors. PLoS ONE, 2008, 3, e3554.	2.5	537
2	Neuronal Differentiation and Morphological Integration of Hippocampal Progenitor Cells Transplanted to the Retina of Immature and Mature Dystrophic Rats. Molecular and Cellular Neurosciences, 2000, 16, 197-205.	2.2	315
3	Multipotent Retinal Progenitors Express Developmental Markers, Differentiate into Retinal Neurons, and Preserve Light-Mediated Behavior. , 2004, 45, 4167.		310
4	Transplantation of Adult Mouse iPS Cell-Derived Photoreceptor Precursors Restores Retinal Structure and Function in Degenerative Mice. PLoS ONE, 2011, 6, e18992.	2.5	283
5	Biodegradable Polymer Composite Grafts Promote the Survival and Differentiation of Retinal Progenitor Cells. Stem Cells, 2005, 23, 1579-1588.	3.2	188
6	Engineering retinal progenitor cell and scrollable poly(glycerol-sebacate) composites for expansion and subretinal transplantation. Biomaterials, 2009, 30, 3405-3414.	11.4	158
7	Neural Progenitor Cells Lack Immunogenicity and Resist Destruction as Allografts. Stem Cells, 2003, 21, 405-416.	3.2	157
8	Stem cells and retinal repair. Progress in Retinal and Eye Research, 2004, 23, 149-181.	15.5	149
9	A microfabricated scaffold for retinal progenitor cell grafting. Biomaterials, 2008, 29, 418-426.	11.4	131
10	Survival, migration and differentiation of retinal progenitor cells transplanted on micro-machined poly(methyl methacrylate) scaffolds to the subretinal space. Lab on A Chip, 2007, 7, 695.	6.0	125
11	Retinal tissue engineering using mouse retinal progenitor cells and a novel biodegradable, thin-film poly(e-caprolactone) nanowire scaffold. Journal of Ocular Biology, Diseases, and Informatics, 2008, 1, 19-29.	0.2	119
12	Isolation of retinal progenitor cells from post-mortem human tissue and comparison with autologous brain progenitors. Journal of Neuroscience Research, 2004, 77, 334-343.	2.9	107
13	CNS Progenitor Cells Promote a Permissive Environment for Neurite Outgrowth via a Matrix Metalloproteinase-2-Dependent Mechanism. Journal of Neuroscience, 2007, 27, 4499-4506.	3.6	106
14	Surface markers expressed by multipotent human and mouse neural progenitor cells include tetraspanins and non-protein epitopes. Neuroscience Letters, 2001, 312, 180-182.	2.1	97
15	Incorporation of Murine Brain Progenitor Cells into the Developing Mammalian Retina. , 2003, 44, 426.		97
16	Progenitor Cells from the Porcine Neural Retina Express Photoreceptor Markers After Transplantation to the Subretinal Space of Allorecipients. Stem Cells, 2007, 25, 1222-1230.	3.2	95
17	The use of progenitor cell/biodegradable MMP2â€“PLGA polymer constructs to enhance cellular integration and retinal repopulation. Biomaterials, 2010, 31, 9-19.	11.4	90
18	Retinal ganglion cells survival in a glaucoma model by GDNF/Vit E PLGA microspheres prepared according to a novel microencapsulation procedure. Journal of Controlled Release, 2011, 156, 92-100.	9.9	89

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19	Use of a Synthetic Xeno-Free Culture Substrate for Induced Pluripotent Stem Cell Induction and Retinal Differentiation. Stem Cells Translational Medicine, 2013, 2, 16-24.	3.3	89
20	Expression of cytokines by multipotent neural progenitor cells. Cytokine, 2003, 22, 101-106.	3.2	85
21	A Comparison of Neural Differentiation and Retinal Transplantation with Bone Marrowâ€Derived Cells and Retinal Progenitor Cells. Stem Cells, 2006, 24, 2270-2278.	3.2	83
22	Systemic Immune Deviation in the Brain That Does Not Depend on the Integrity of the Blood-Brain Barrier. Journal of Immunology, 2000, 164, 5125-5131.	0.8	78
23	Robust cell integration from co-transplantation of biodegradable MMP2-PLGA microspheres with retinal progenitor cells. Biomaterials, 2011, 32, 1041-1050.	11.4	70
24	Toll-like receptor 4 restricts retinal progenitor cell proliferation. Journal of Cell Biology, 2008, 183, 393-400.	5.2	67
25	Retinal Progenitor Cell Xenografts to the Pig Retina. JAMA Ophthalmology, 2005, 123, 1385.	2.4	62
26	The Application of Hyaluronic Acid Hydrogels to Retinal Progenitor Cell Transplantation. Tissue Engineering - Part A, 2013, 19, 135-142.	3.1	62
27	Expression of Neurodevelopmental Markers by Cultured Porcine Neural Precursor Cells. Stem Cells, 2005, 23, 1286-1294.	3.2	54
28	Microfabrication of a Three-Dimensional Polycaprolactone Thin-Film Scaffold for Retinal Progenitor Cell Encapsulation. Journal of Biomaterials Science, Polymer Edition, 2011, 22, 443-456.	3.5	52
29	MÃ¼ller cell activation, proliferation and migration following laser injury. Molecular Vision, 2009, 15, 1886-96.	1.1	52
30	Isolation of Progenitor Cells from GFP-Transgenic Pigs and Transplantation to the Retina of Allorecipients. Cloning and Stem Cells, 2008, 10, 391-402.	2.6	51
31	Synthetic Polymer Scaffolds for Stem Cell Transplantation in Retinal Tissue Engineering. Polymers, 2011, 3, 899-914.	4.5	51
32	Elevated MMP Expression in the MRL Mouse Retina Creates a Permissive Environment for Retinal Regeneration. , 2008, 49, 1686.		49
33	Decellularized retinal matrix: Natural platforms for human retinal progenitor cell culture. Acta Biomaterialia, 2016, 31, 61-70.	8.3	48
34	Retinal transplantation of neural progenitor cells derived from the brain of GFP transgenic mice. Vision Research, 2003, 43, 1699-1708.	1.4	45
35	Enhanced Differentiation and Delivery of Mouse Retinal Progenitor Cells Using a Micropatterned Biodegradable Thin-Film Polycaprolactone Scaffold. Tissue Engineering - Part A, 2015, 21, 1247-1260.	3.1	44
36	Low-Oxygen Culture Conditions Extend the Multipotent Properties of Human Retinal Progenitor Cells. Tissue Engineering - Part A, 2014, 20, 1465-1475.	3.1	43

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37	Stem cells in the mammalian eye: a tool for retinal repair. Apmis, 2005, 113, 845-857.	2.0	41
38	Neural precursors isolated from the developing cat brain show retinal integration following transplantation to the retina of the dystrophic cat. Veterinary Ophthalmology, 2007, 10, 245-253.	1.0	36
39	Combining chondroitinase ABC and growth factors promotes the integration of murine retinal progenitor cells transplanted into Rho(-/-) mice. Molecular Vision, 2011, 17, 1759-70.	1.1	36
40	Integrity of the blood-brain barrier in retinal xenografts is correlated with the immunological status of the host. Journal of Comparative Neurology, 1989, 283, 107-117.	1.6	34
41	The immunological properties of adult hippocampal progenitor cells. Vision Research, 2003, 43, 947-956.	1.4	34
42	Effects of Ciliary Neurotrophic Factor on Differentiation of Late Retinal Progenitor Cells. Stem Cells, 2005, 23, 424-432.	3.2	34
43	The retinal ganglion cells that drive the pupilloconstrictor response in rats. Brain Research, 1998, 787, 191-202.	2.2	33
44	Retinal Progenitor Cell Xenografts to the Pig Retina: Immunological Reactions. Cell Transplantation, 2006, 15, 603-612.	2.5	32
45	Approaches to Cell Delivery: Substrates and Scaffolds for Cell Therapy. Developments in Ophthalmology, 2014, 53, 143-154.	0.1	32
46	Transplantation of Human Neural Progenitor Cells to the Vitreous Cavity of the Royal College of Surgeons Rat. Cell Transplantation, 2001, 10, 223-233.	2.5	31
47	Advances in Retinal Tissue Engineering. Materials, 2012, 5, 108-120.	2.9	28
48	In Situ Cross-linking Hydrogel as a Vehicle for Retinal Progenitor Cell Transplantation. Cell Transplantation, 2019, 28, 596-606.	2.5	28
49	Photoreceptor rescue after low-dose intravitreal IL-1Î² Injection in the RCS Rat. Experimental Eye Research, 2001, 73, 557-568.	2.6	26
50	Neural Progenitor Cells Lack Immunogenicity and Resist Destruction as Allografts. Ocular Immunology and Inflammation, 2007, 15, 261-273.	1.8	23
51	Creating an Immune-Privileged Site Using Retinal Progenitor Cells and Biodegradable Polymers. Stem Cells, 2007, 25, 1552-1559.	3.2	20
52	Allogeneic Neonatal Neuronal Retina Grafts Display Partial Immune Privilege in the Subcapsular Space of the Kidney. Journal of Immunology, 2002, 169, 5601-5606.	0.8	19
53	Monitoring Morphological Changes in the Retina of Rhodopsin^{â^'/â^'}Mice with Spectral Domain Optical Coherence Tomography. , 2012, 53, 3967.		19
54	Interactive Events Subserving the Pupillary Light Reflex in Pigmented and Albino Rats. European Journal of Neuroscience, 1995, 7, 2053-2063.	2.6	18

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55	Sequential changes in the gene expression profile of murine retinal progenitor cells during the induction of differentiation. Molecular Vision, 2009, 15, 2111-22.	1.1	18
56	Graft Location Affects Functional Rescue Following RPE Cell Transplantation in the RCS Rat. Experimental Neurology, 2001, 169, 114-121.	4.1	16
57	Tissue Bioengineering. JAMA Ophthalmology, 2005, 123, 1725.	2.4	14
58	Retinal Pigment Epithelium and MÃ¼ller Progenitor Cell Interaction Increase MÃ¼ller Progenitor Cell Expression of PDGFR and Ability to Induce Proliferative Vitreoretinopathy in a Rabbit Model. Stem Cells International, 2012, 2012, 1-6.	2.5	14
59	Xenotransplantation of Human Neural Progenitor Cells to the Subretinal Space of Nonimmunosuppressed Pigs. Journal of Transplantation, 2011, 2011, 1-6.	0.5	11
60	Functional and morphological analysis of the subretinal injection of human retinal progenitor cells under Cyclosporin A treatment. Molecular Vision, 2014, 20, 1271-80.	1.1	11
61	Sorbitol causes preferential selection of Muller glial precursors from late retinal progenitor cells in vitro. Molecular Vision, 2006, 12, 1606-14.	1.1	10
62	Interphotoreceptor matrix based biomaterial: Impact on human retinal progenitor cell attachment and differentiation. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 891-899.	3.4	9
63	A Safe GDNF and GDNF/BDNF Controlled Delivery System Improves Migration in Human Retinal Pigment Epithelial Cells and Survival in Retinal Ganglion Cells: Potential Usefulness in Degenerative Retinal Pathologies. Pharmaceuticals, 2021, 14, 50.	3.8	9
64	Retinal Transplantation. , 2007, 92, 300-316.		6
65	Proteomic Differentiation Between Murine Retinal and Brain-Derived Progenitor Cells. Stem Cells and Development, 2008, 17, 119-132.	2.1	5
66	Parameters of transplant-mediated pupilloconstriction in rats with unilateral olivary pretectal lesions. , 1997, 388, 327-335.		3
67	Tissue engineering for the treatment of age-related macular degeneration. Expert Review of Ophthalmology, 2010, 5, 587-590.	0.6	0
68	High-throughput screening for directed chemotaxis of retinal progenitor cells in 3D hydrogels. , 2014, , .		0
69	Toll-like receptor 4 restricts retinal progenitor cell proliferation. Journal of Experimental Medicine, 2008, 205, i26-i26.	8.5	0
70	Cellular repopulation of the retina. , 2010, , 607-611.		0
71	Enhanced migration of engrafted retinal progenitor cells into the host retina via disruption of glial barriers. Molecular Vision, 2021, 27, 300-308.	1.1	0