Stephen Redenti

List of Publications by Year
in descending order

33 papers	1,397 citations	516710 16 h-index	477307 29 g-index
34 all docs	34 docs citations	34 times ranked	1602 citing authors

#	Article	IF	Citations
1	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
2	Engineering retinal progenitor cell and scrollable poly(glycerol-sebacate) composites for expansion and subretinal transplantation. Biomaterials, 2009, 30, 3405-3414.	11.4	158
3	A microfabricated scaffold for retinal progenitor cell grafting. Biomaterials, 2008, 29, 418-426.	11.4	131
4	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
5	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
6	Molecular Characterization of Human Retinal Progenitor Cells. , 2009, 50, 5901.		60
7	Zinc release at the synaptic terminals of rod photoreceptors. Experimental Eye Research, 2007, 85, 580-584.	2.6	55
8	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
9	MÃ¼ller cell activation, proliferation and migration following laser injury. Molecular Vision, 2009, 15, 1886-96.	1.1	52
10	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
11	A model microfluidics-based system for the human and mouse retina. Biomedical Microdevices, 2015, 17, 107.	2.8	30
12	Localization of zinc transporter-3 (ZnT-3) in mouse retina. Vision Research, 2004, 44, 3317-3321.	1.4	29
13	Neuroimaging of zinc released by depolarization of rat retinal cells. Vision Research, 2005, 45, 3520-3525.	1.4	27
14	Actein induces calcium release in human breast cancer cells. FÃ¬toterapÃ¬Ã¢, 2013, 91, 28-38.	2.2	26
15	Microfluidic Generated EGF-Gradients Induce Chemokinesis of Transplantable Retinal Progenitor Cells via the JAK/STAT and PI3Kinase Signaling Pathways. PLoS ONE, 2013, 8, e83906.	2.5	21
16	Predicted molecular signaling guiding photoreceptor cell migration following transplantation into damaged retina. Scientific Reports, 2016, 6, 22392.	3.3	20
17	Collective adhesion and displacement of retinal progenitor cells upon extracellular matrix substrates of transplantable biomaterials. Journal of Tissue Engineering, 2018, 9, 204173141775128.	5.5	18
18	Zinc Chelation Enhances the Zebrafish Retinal ERG b-Wave. Biological Bulletin, 2002, 203, 200-202.	1.8	15

#	Article	IF	Citations
19	In vitroformation of neuroclusters in microfluidic devices and cell migration as a function of stromal-derived growth factor 1 gradients. Cell Adhesion and Migration, 2017, 11, 1-12.	2.7	15
20	Controlled microenvironments to evaluate chemotactic properties of cultured MÃ¼ller glia. Experimental Eye Research, 2018, 173, 129-137.	2.6	14
21	A novel electro-chemotactic approach to impact the directional migration of transplantable retinal progenitor cells. Experimental Eye Research, 2019, 185, 107688.	2.6	14
22	Endogenous Zinc as a Neuromodulator in Vertebrate Retina: Evidence From the Retinal Slice. Biological Bulletin, 2001, 201, 265-267.	1.8	13
23	Effects of vitamin D3 and its chemical analogs on the growth of Hodgkinâ€™s lymphoma, in vitro. BMC Research Notes, 2019, 12, 216.	1.4	13
24	Dextran hydrogels by crosslinking with amino acid diamines and their viscoelastic properties. International Journal of Biological Macromolecules, 2018, 111, 370-378.	7.5	12
25	MÃ¼ller Cell Zinc Transporter-3 Labeling Suggests a Role in Outer Retina Zinc Homeostasis. Molecular Medicine, 2007, 13, 376-379.	4.4	11
26	Electrical stimulation via a biocompatible conductive polymer directs retinal progenitor cell differentiation. , 2013, 2013, 1627-31.		10
27	Selfâ€degradable curcumin polymer with antiâ€cancer activity. Journal of Applied Polymer Science, 2018, 135, 46867.	2.6	6
28	A novel cancer preventative botanical mixture, TriCurin, inhibits viral transcripts and the growth of W12 cervical cells harbouring extrachromosomal or integrated HPV16 DNA. British Journal of Cancer, 2021, 124, 901-913.	6.4	6
29	Immunohistochemical localization of prolactin receptor (PRLR) to Hodgkinâ€™s and Reed-Sternberg cells of Hodgkinâ€™s lymphoma. Acta Histochemica, 2021, 123, 151657.	1.8	5
30	Biomimetic electrical stimulation platform for neural differentiation of retinal progenitor cells. , 2013, 2013, 5666-9.		4
31	Tissue Engineering of Organs: Eye/Retina. , 2011, , 335-346.		3
32	A transcriptomic analysis of black cohosh: Actein alters cholesterol biosynthesis pathways and synergizes with simvastatin. Food and Chemical Toxicology, 2018, 120, 356-366.	3.6	2
33	A multi-scale, physics engine-based simulation of cellular migration. , 2015, , .		0