

Carl Michael Sheridan

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,658
citations

304368

22
h-index

315357

38
g-index

60
all docs

60
docs citations

60
times ranked

2038
citing authors

#	ARTICLE	IF	CITATIONS
1	Matrix and the retinal pigment epithelium in proliferative retinal disease. <i>Progress in Retinal and Eye Research</i> , 1999, 18, 167-190.	7.3	214
2	Inflammatory Mediators and Angiogenic Factors in Choroidal Neovascularization: Pathogenetic Interactions and Therapeutic Implications. <i>Mediators of Inflammation</i> , 2010, 2010, 1-14.	1.4	170
3	Choroidal neovascularization: a wound healing perspective. <i>Molecular Vision</i> , 2003, 9, 747-55.	1.1	93
4	Expression of hypoxia-inducible factor α 1 and α 2 in human choroidal neovascular membranes. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2009, 247, 1361-1367.	1.0	78
5	Progenitors for the Corneal Endothelium and Trabecular Meshwork: A Potential Source for Personalized Stem Cell Therapy in Corneal Endothelial Diseases and Glaucoma. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-13.	3.0	73
6	Pathobiology of epiretinal and subretinal membranes: possible roles for the matricellular proteins thrombospondin 1 and osteonectin (SPARC). <i>Eye</i> , 2002, 16, 393-403.	1.1	60
7	Does the Presence of an Epiretinal Membrane Alter the Cleavage Plane during Internal Limiting Membrane Peeling?. <i>Ophthalmology</i> , 2010, 117, 320-323.e1.	2.5	58
8	Matrix Metalloproteinases. <i>American Journal of Pathology</i> , 2001, 159, 1555-1566.	1.9	53
9	The Presence of AC133-Positive Cells Suggests a Possible Role of Endothelial Progenitor Cells in the Formation of Choroidal Neovascularization. , 2006, 47, 1642.		51
10	Human Conjunctival Stem Cells are Predominantly Located in the Medial Canthal and Inferior Forniceal Areas. , 2015, 56, 2021.		51
11	Expression of ADAMTS metalloproteinases in the retinal pigment epithelium derived cell line ARPE-19: transcriptional regulation by TNF α . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2003, 1626, 83-91.	2.4	47
12	Concise Review: An Update on the Culture of Human Corneal Endothelial Cells for Transplantation. <i>Stem Cells Translational Medicine</i> , 2016, 5, 258-264.	1.6	44
13	Polyurethanes as potential substrates for sub-retinal retinal pigment epithelial cell transplantation. <i>Journal of Materials Science: Materials in Medicine</i> , 2005, 16, 1087-1092.	1.7	43
14	Expanded polytetrafluoroethylene as a substrate for retinal pigment epithelial cell growth and transplantation in age-related macular degeneration. <i>British Journal of Ophthalmology</i> , 2011, 95, 569-573.	2.1	38
15	Transient Inhibition of Transforming Growth Factor β 1 in Human Diabetic CD34+ Cells Enhances Vascular Reparative Functions. <i>Diabetes</i> , 2010, 59, 2010-2019.	0.3	35
16	Non-vascular vitreoretinopathy: The cells and the cellular basis of contraction. <i>Eye</i> , 1996, 10, 671-684.	1.1	34
17	Basement membranes and artificial substrates in cell transplantation. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2004, 242, 68-75.	1.0	34
18	Polydimethylsiloxane as a substrate for retinal pigment epithelial cell growth. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 669-678.	2.1	33

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19	Cultured human retinal pigment epithelial cells differentially express thrombospondin-1, -2, -3, and -4. <i>International Journal of Biochemistry and Cell Biology</i> , 2000, 32, 1137-1142.	1.2	30
20	SDF1-alpha is associated with VEGFR-2 in human choroidal neovascularisation. <i>Microvascular Research</i> , 2008, 75, 302-307.	1.1	29
21	Ocular epithelial transplantation: current uses and future potential. <i>Regenerative Medicine</i> , 2011, 6, 767-782.	0.8	25
22	Plasma polymer coatings to aid retinal pigment epithelial growth for transplantation in the treatment of age related macular degeneration. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 2013-2021.	1.7	25
23	Effects of single, short term exposures of human retinal pigment epithelial cells to thiotepa or 5-fluorouracil: implications for the treatment of proliferative vitreoretinopathy. <i>British Journal of Ophthalmology</i> , 1998, 82, 554-560.	2.1	24
24	Labeling of stem cells with monocrySTALLINE iron oxide for tracking and localization by magnetic resonance imaging. <i>Microvascular Research</i> , 2009, 78, 132-139.	1.1	24
25	Edible mushroom (<i>Agaricus bisporus</i>) lectin inhibits human retinal pigment epithelial cell proliferation in vitro. <i>Wound Repair and Regeneration</i> , 2003, 11, 285-291.	1.5	21
26	Replacement of the RPE monolayer. <i>Eye</i> , 2009, 23, 1910-1915.	1.1	21
27	Polystyrene Surface Modification for Localized Cell Culture Using a Capillary Dielectric Barrier Discharge Atmospheric Pressure Microplasma Jet. <i>Plasma Processes and Polymers</i> , 2013, 10, 978-989.	1.6	20
28	Bovine Posterior Limbus: An Evaluation of an Alternative Source for Corneal Endothelial and Trabecular Meshwork Stem/Progenitor Cells. <i>Stem Cells and Development</i> , 2015, 24, 624-639.	1.1	20
29	The role of matricellular proteins thrombospondin-1 and osteonectin during RPE cell migration in proliferative vitreoretinopathy. <i>Current Eye Research</i> , 2002, 25, 279-285.	0.7	19
30	Edible mushroom (<i>Agaricus bisporus</i>) lectin modulates human retinal pigment epithelial cell behaviour in vitro. <i>Experimental Eye Research</i> , 2003, 76, 213-219.	1.2	19
31	Differential Distribution of Laminin N-Terminus ± 31 Across the Ocular Surface: Implications for Corneal Wound Repair. , 2018, 59, 4082.		16
32	Macrophages during fibrosis following scleral fistulising surgery in a rat model. <i>Current Eye Research</i> , 1996, 15, 559-568.	0.7	13
33	FIBROUS MEMBRANES IN DIABETIC RETINOPATHY AND BEVACIZUMAB. <i>Retina</i> , 2010, 30, 1012-1016.	1.0	13
34	Lectin from <i>Agaricus bisporus</i> Inhibited S Phase Cell Population and Akt Phosphorylation in Human RPE Cells. , 2012, 53, 7469.		11
35	Retinal Pigment Epithelium Differentiation and Dedifferentiation. , 2005, , 101-119.		10
36	Neoplastic transformation of ciliary body epithelium is associated with loss of opticin expression. <i>British Journal of Ophthalmology</i> , 2007, 91, 230-232.	2.1	10

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37	Replacement of the Trabecular Meshwork Cells—A Way Ahead in IOP Control?. <i>Biomolecules</i> , 2021, 11, 1371.	1.8	10
38	Yield and Viability of Human Limbal Stem Cells From Fresh and Stored Tissue. , 2016, 57, 3708.		9
39	Effects of the matricellular protein SPARC on human retinal pigment epithelial cell behavior. <i>Molecular Vision</i> , 2003, 9, 87-92.	1.1	8
40	Transplantation in the treatment of age-related macular degeneration: past, present and future directions. <i>Expert Review of Ophthalmology</i> , 2007, 2, 497-511.	0.3	7
41	The formation of a functional retinal pigment epithelium occurs on porous polytetrafluoroethylene substrates independently of the surface chemistry. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 124.	1.7	7
42	“En bloc”™ dissection of epimacular membranes using aspiration delamination. <i>Eye</i> , 1996, 10, 47-52.	1.1	6
43	Localisation of opticin in human proliferative retinal disease. <i>Experimental Eye Research</i> , 2010, 90, 461-464.	1.2	6
44	Plasma polymerization using helium atmospheric-pressure plasma jet with heptylamine monomer. <i>Plasma Processes and Polymers</i> , 2019, 16, e1800185.	1.6	5
45	Exploiting biomaterial approaches to manufacture an artificial trabecular meshwork: A progress report. <i>Biomaterials and Biosystems</i> , 2021, 1, 100011.	1.0	5
46	Biofabrication of Artificial Stem Cell Niches in the Anterior Ocular Segment. <i>Bioengineering</i> , 2021, 8, 135.	1.6	5
47	Anti-Vascular Endothelial Growth Factor Agents for Ocular Angiogenesis and Vascular Permeability. <i>Journal of Ophthalmology</i> , 2012, 2012, 1-2.	0.6	4
48	Measurement and Computer Modeling of Temporary Arrangements of Polygonal Actin Structures in Trabecular Meshwork Cells Which Consist of Cross-Linked Actin Networks and Polygonal Actin Arrangements. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2014, 30, 224-236.	0.6	4
49	An Optimized Method to Decellularize Human Trabecular Meshwork. <i>Bioengineering</i> , 2022, 9, 194.	1.6	4
50	Thrombospondin-2 is up-regulated by TGF β 2 and increases fibronectin expression in human trabecular meshwork cells. <i>Experimental Eye Research</i> , 2019, 189, 107820.	1.2	3
51	Short and long-term effect of dexamethasone on the transcriptome profile of primary human trabecular meshwork cells in vitro. <i>Scientific Reports</i> , 2022, 12, 8299.	1.6	3
52	Plasma polymer surface modified expanded polytetrafluoroethylene promotes epithelial monolayer formation in vitro and can be transplanted into the dystrophic rat subretinal space. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2021, 15, 49-62.	1.3	2
53	Isolation of Adult Stem Cell Populations from the Human Cornea. <i>Methods in Molecular Biology</i> , 2015, 1235, 165-177.	0.4	2
54	A surgical technique for retrieval of whole human cadaveric conjunctiva. <i>Acta Ophthalmologica</i> , 2012, 90, e415-6.	0.6	1

#	ARTICLE	IF	CITATIONS
55	Ophthalmic Applications of Biomaterials in Regenerative Medicine. , 2012, , 185-218.		1
56	Retinal pigment epithelium derived stem cells. Journal of Ophthalmic and Vision Research, 2009, 4, 133.	0.7	0