Carl Michael Sheridan

List of Publications by Year
in descending order

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	An Optimized Method to Decellularize Human Trabecular Meshwork. Bioengineering, 2022, 9, 194.	1.6	4
2	Short and long-term effect of dexamethasone on the transcriptome profile of primary human trabecular meshwork cells in vitro. Scientific Reports, 2022, 12, 8299.	1.6	3
3	Plasma polymer surface modified expanded polytetrafluoroethylene promotes epithelial monolayer formation in vitro and can be transplanted into the dystrophic rat subretinal space. Journal of Tissue Engineering and Regenerative Medicine, 2021, 15, 49-62.	1.3	2
4	Exploiting biomaterial approaches to manufacture an artificial trabecular meshwork: A progress report. Biomaterials and Biosystems, 2021, 1, 100011.	1.0	5
5	Replacement of the Trabecular Meshwork Cellsâ€”A Way Ahead in IOP Control?. Biomolecules, 2021, 11, 1371.	1.8	10
6	Biofabrication of Artificial Stem Cell Niches in the Anterior Ocular Segment. Bioengineering, 2021, 8, 135.	1.6	5
7	Plasma polymerization using helium atmosphericâ€pressure plasma jet with heptylamine monomer. Plasma Processes and Polymers, 2019, 16, e1800185.	1.6	5
8	Thrombospondin-2 is up-regulated by TGFÎ²2 and increases fibronectin expression in human trabecular meshwork cells. Experimental Eye Research, 2019, 189, 107820.	1.2	3
9	Differential Distribution of Laminin N-Terminus Î±31 Across the Ocular Surface: Implications for Corneal Wound Repair. , 2018, 59, 4082.		16
10	The formation of a functional retinal pigment epithelium occurs on porous polytetrafluoroethylene substrates independently of the surface chemistry. Journal of Materials Science: Materials in Medicine, 2017, 28, 124.	1.7	7
11	Yield and Viability of Human Limbal Stem Cells From Fresh and Stored Tissue. , 2016, 57, 3708.		9
12	Concise Review: An Update on the Culture of Human Corneal Endothelial Cells for Transplantation. Stem Cells Translational Medicine, 2016, 5, 258-264.	1.6	44
13	Human Conjunctival Stem Cells are Predominantly Located in the Medial Canthal and Inferior Forniceal Areas. , 2015, 56, 2021.		51
14	Bovine Posterior Limbus: An Evaluation of an Alternative Source for Corneal Endothelial and Trabecular Meshwork Stem/Progenitor Cells. Stem Cells and Development, 2015, 24, 624-639.	1.1	20
15	Isolation of Adult Stem Cell Populations from the Human Cornea. Methods in Molecular Biology, 2015, 1235, 165-177.	0.4	2
16	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. Journal of Ocular Pharmacology and Therapeutics, 2014, 30, 224-236.	0.6	4
17	Polystyrene Surface Modification for Localized Cell Culture Using a Capillary Dielectric Barrier Discharge Atmosphericâ€‹<scp>P</scp>ressure Microplasma Jet. Plasma Processes and Polymers, 2013, 10, 978-989.	1.6	20
18	Lectin fromAgaricus bisporusInhibited S Phase Cell Population and Akt Phosphorylation in Human RPE Cells. , 2012, 53, 7469.		11

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19	Anti-Vascular Endothelial Growth Factor Agents for Ocular Angiogenesis and Vascular Permeability. Journal of Ophthalmology, 2012, 2012, 1-2.	0.6	4
20	Plasma polymer coatings to aid retinal pigment epithelial growth for transplantation in the treatment of age related macular degeneration. Journal of Materials Science: Materials in Medicine, 2012, 23, 2013-2021.	1.7	25
21	A surgical technique for retrieval of whole human cadaveric conjunctiva. Acta Ophthalmologica, 2012, 90, e415-6.	0.6	1
22	Ophthalmic Applications of Biomaterials in Regenerative Medicine. , 2012, , 185-218.		1
23	Progenitors for the Corneal Endothelium and Trabecular Meshwork: A Potential Source for Personalized Stem Cell Therapy in Corneal Endothelial Diseases and Glaucoma. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-13.	3.0	73
24	Ocular epithelial transplantation: current uses and future potential. Regenerative Medicine, 2011, 6, 767-782.	0.8	25
25	Expanded polytetrafluoroethylene as a substrate for retinal pigment epithelial cell growth and transplantation in age-related macular degeneration. British Journal of Ophthalmology, 2011, 95, 569-573.	2.1	38
26	FIBROUS MEMBRANES IN DIABETIC RETINOPATHY AND BEVACIZUMAB. Retina, 2010, 30, 1012-1016.	1.0	13
27	Transient Inhibition of Transforming Growth Factor-Î²1 in Human Diabetic CD34+ Cells Enhances Vascular Reparative Functions. Diabetes, 2010, 59, 2010-2019.	0.3	35
28	Inflammatory Mediators and Angiogenic Factors in Choroidal Neovascularization: Pathogenetic Interactions and Therapeutic Implications. Mediators of Inflammation, 2010, 2010, 1-14.	1.4	170
29	Localisation of opticin in human proliferative retinal disease. Experimental Eye Research, 2010, 90, 461-464.	1.2	6
30	Does the Presence of an Epiretinal Membrane Alter the Cleavage Plane during Internal Limiting Membrane Peeling?. Ophthalmology, 2010, 117, 320-323.e1.	2.5	58
31	Expression of hypoxia-inducible factorâˆ'1Î± and âˆ'2Î± in human choroidal neovascular membranes. Graefe's Archive for Clinical and Experimental Ophthalmology, 2009, 247, 1361-1367.	1.0	78
32	Replacement of the RPE monolayer. Eye, 2009, 23, 1910-1915.	1.1	21
33	Labeling of stem cells with monocrystalline iron oxide for tracking and localization by magnetic resonance imaging. Microvascular Research, 2009, 78, 132-139.	1.1	24
34	Retinal pigment epithelium derived stem cells. Journal of Ophthalmic and Vision Research, 2009, 4, 133.	0.7	0
35	SDF1-alpha is associated with VEGFR-2 in human choroidal neovascularisation. Microvascular Research, 2008, 75, 302-307.	1.1	29
36	Transplantation in the treatment of age-related macular degeneration: past, present and future directions. Expert Review of Ophthalmology, 2007, 2, 497-511.	0.3	7

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37	Neoplastic transformation of ciliary body epithelium is associated with loss of opticin expression. British Journal of Ophthalmology, 2007, 91, 230-232.	2.1	10
38	Polydimethylsiloxane as a substrate for retinal pigment epithelial cell growth. Journal of Biomedical Materials Research - Part A, 2007, 80A, 669-678.	2.1	33
39	The Presence of AC133-Positive Cells Suggests a Possible Role of Endothelial Progenitor Cells in the Formation of Choroidal Neovascularization. , 2006, 47, 1642.		51
40	Polyurethanes as potential substrates for sub-retinal retinal pigment epithelial cell transplantation. Journal of Materials Science: Materials in Medicine, 2005, 16, 1087-1092.	1.7	43
41	Retinal Pigment Epithelium Differentiation and Dedifferentiation. , 2005, , 101-119.		10
42	Basement membranes and artificial substrates in cell transplantation. Graefe's Archive for Clinical and Experimental Ophthalmology, 2004, 242, 68-75.	1.0	34
43	Expression of ADAMTS metalloproteinases in the retinal pigment epithelium derived cell line ARPE-19: transcriptional regulation by TNFÎ±. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2003, 1626, 83-91.	2.4	47
44	Edible mushroom (Agaricus bisporus) lectin inhibits human retinal pigment epithelial cell proliferation in vitro. Wound Repair and Regeneration, 2003, 11, 285-291.	1.5	21
45	Edible mushroom (Agaricus bisporus) lectin modulates human retinal pigment epithelial cell behaviour in vitro. Experimental Eye Research, 2003, 76, 213-219.	1.2	19
46	Effects of the matricellular protein SPARC on human retinal pigment epithelial cell behavior. Molecular Vision, 2003, 9, 87-92.	1.1	8
47	Choroidal neovascularization: a wound healing perspective. Molecular Vision, 2003, 9, 747-55.	1.1	93
48	The role of matricellular proteins thrombospondin-1 and osteonectin during RPE cell migration in proliferative vitreoretinopathy. Current Eye Research, 2002, 25, 279-285.	0.7	19
49	Pathobiology of epiretinal and subretinal membranes: possible roles for the matricellular proteins thrombospondin 1 and osteonectin (SPARC). Eye, 2002, 16, 393-403.	1.1	60
50	Matrix Metalloproteinases. American Journal of Pathology, 2001, 159, 1555-1566.	1.9	53
51	Cultured human retinal pigment epithelial cells differentially express thrombospondin-1, -2, -3, and -4. International Journal of Biochemistry and Cell Biology, 2000, 32, 1137-1142.	1.2	30
52	Matrix and the retinal pigment epithelium in proliferative retinal disease. Progress in Retinal and Eye Research, 1999, 18, 167-190.	7.3	214
53	Effects of single, short term exposures of human retinal pigment epithelial cells to thiotepa or 5-fluorouracil: implications for the treatment of proliferative vitreoretinopathy. British Journal of Ophthalmology, 1998, 82, 554-560.	2.1	24
54	Macrophages during fibrosis following scleral fistulising surgery in a rat model. Current Eye Research, 1996, 15, 559-568.	0.7	13

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55	â€˜En blocâ€™ dissection of epimacular membranes using aspiration delamination. Eye, 1996, 10, 47-52.	1.1	6
56	Non-vascular vitreoretinopathy: The cells and the cellular basis of contraction. Eye, 1996, 10, 671-684.	1.1	34