

# Yiqin Du

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

3,218  
citations

257101

24  
h-index

264894

42  
g-index

61  
all docs

61  
docs citations

61  
times ranked

2382  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconstruction of Chemically Burned Rat Corneal Surface by Bone Marrow-Derived Human Mesenchymal Stem Cells. <i>Stem Cells</i> , 2006, 24, 315-321.	1.4	311
2	Multipotent Stem Cells in Human Corneal Stroma. <i>Stem Cells</i> , 2005, 23, 1266-1275.	1.4	293
3	Consensus recommendations for trabecular meshwork cell isolation, characterization and culture. <i>Experimental Eye Research</i> , 2018, 171, 164-173.	1.2	221
4	Human limbal biopsy-derived stromal stem cells prevent corneal scarring. <i>Science Translational Medicine</i> , 2014, 6, 266ra172.	5.8	200
5	Stem Cell Therapy Restores Transparency to Defective Murine Corneas. <i>Stem Cells</i> , 2009, 27, 1635-1642.	1.4	186
6	The engineering of organized human corneal tissue through the spatial guidance of corneal stromal stem cells. <i>Biomaterials</i> , 2012, 33, 1343-1352.	5.7	135
7	Secretion and Organization of a Cornea-like Tissue In Vitro by Stem Cells from Human Corneal Stroma. <i>Stem Cells</i> , 2007, 48, 5038.		111
8	PAX6 expression identifies progenitor cells for corneal keratocytes. <i>FASEB Journal</i> , 2005, 19, 1371-1373.	0.2	110
9	Multipotent Stem Cells from Trabecular Meshwork Become Phagocytic TM Cells. <i>Stem Cells</i> , 2012, 53, 1566.		107
10	Corneal stromal bioequivalents secreted on patterned silk substrates. <i>Biomaterials</i> , 2014, 35, 3744-3755.	5.7	97
11	Bioengineering Organized, Multilamellar Human Corneal Stromal Tissue by Growth Factor Supplementation on Highly Aligned Synthetic Substrates. <i>Tissue Engineering - Part A</i> , 2013, 19, 2063-2075.	1.6	94
12	Stem Cells in the Limbal Stroma. <i>Ocular Surface</i> , 2016, 14, 113-120.	2.2	94
13	Stem Cells from Trabecular Meshwork Home to TM Tissue In Vivo. <i>Stem Cells</i> , 2013, 54, 1450.		92
14	Adipose-derived stem cells differentiate to keratocytes in vitro. <i>Molecular Vision</i> , 2010, 16, 2680-9.	1.1	89
15	Dental Pulp Stem Cells: A New Cellular Resource for Corneal Stromal Regeneration. <i>Stem Cells Translational Medicine</i> , 2015, 4, 276-285.	1.6	85
16	Corneal stromal stem cells versus corneal fibroblasts in generating structurally appropriate corneal stromal tissue. <i>Experimental Eye Research</i> , 2014, 120, 71-81.	1.2	71
17	Corneal stromal stem cells reduce corneal scarring by mediating neutrophil infiltration after wounding. <i>PLoS ONE</i> , 2017, 12, e0171712.	1.1	71
18	Differentiation of Human Embryonic Stem Cells into Cells with Corneal Keratocyte Phenotype. <i>PLoS ONE</i> , 2013, 8, e56831.	1.1	65

#	ARTICLE	IF	CITATIONS
19	A Role for Topographic Cues in the Organization of Collagenous Matrix by Corneal Fibroblasts and Stem Cells. PLoS ONE, 2014, 9, e86260.	1.1	61
20	Quantitative Assessment of Ultrastructure and Light Scatter in Mouse Corneal Debridement Wounds. , 2012, 53, 2786.		55
21	Functional reconstruction of rabbit corneal epithelium by human limbal cells cultured on amniotic membrane. Molecular Vision, 2003, 9, 635-43.	1.1	52
22	Stem Cells in the Trabecular Meshwork for Regulating Intraocular Pressure. Journal of Ocular Pharmacology and Therapeutics, 2016, 32, 253-260.	0.6	49
23	A Laser-Induced Mouse Model with Long-Term Intraocular Pressure Elevation. PLoS ONE, 2014, 9, e107446.	1.1	49
24	Regenerative therapy for the Cornea. Progress in Retinal and Eye Research, 2022, 87, 101011.	7.3	47
25	Scaffold-free tissue engineering of functional corneal stromal tissue. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 59-69.	1.3	42
26	Human stem cells home to and repair laser-damaged trabecular meshwork in a mouse model. Communications Biology, 2018, 1, 216.	2.0	38
27	Compressed Collagen Enhances Stem Cell Therapy for Corneal Scarring. Stem Cells Translational Medicine, 2018, 7, 487-494.	1.6	34
28	Endoplasmic Reticulum Stress Response of Trabecular Meshwork Stem Cells and Trabecular Meshwork Cells and Protective Effects of Activated PERK Pathway. , 2019, 60, 265.		29
29	Hyaluronan Synthesis Mediates the Fibrotic Response of Keratocytes to Transforming Growth Factor $\beta^2$ . Journal of Biological Chemistry, 2010, 285, 32012-32019.	1.6	28
30	Trabecular Meshwork Regenerationâ€”a Potential Treatment for Glaucoma. Current Ophthalmology Reports, 2019, 7, 80-88.	0.5	25
31	Adiposeâ€”derived stem cells integrate into trabecular meshwork with glaucoma treatment potential. FASEB Journal, 2020, 34, 7160-7177.	0.2	23
32	Stem cell transplantation rescued a primary open-angle glaucoma mouse model. ELife, 2021, 10, .	2.8	23
33	$\beta^1$ Integrin Promotes Anchoring and Integration of Transplanted Stem Cells to the Trabecular Meshwork in the Eye for Regeneration. Stem Cells and Development, 2020, 29, 290-300.	1.1	20
34	Consensus Recommendation for Mouse Models of Ocular Hypertension to Study Aqueous Humor Outflow and Its Mechanisms. , 2022, 63, 12.		20
35	A novel glaucoma approach: Stem cell regeneration of the trabecular meshwork. Progress in Retinal and Eye Research, 2022, 90, 101063.	7.3	19
36	A Rapid Transient Increase in Hyaluronan Synthase-2 mRNA Initiates Secretion of Hyaluronan by Corneal Keratocytes in Response to Transforming Growth Factor $\beta^2$ . Journal of Biological Chemistry, 2007, 282, 12475-12483.	1.6	18

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37	Age-related dystrophic changes in corneal endothelium from <scp>DNA</scp> repair-deficient mice. <i>Aging Cell</i> , 2013, 12, 1122-1131.	3.0	16
38	Stemness and Regenerative Potential of Corneal Stromal Stem Cells and Their Secretome After Long-Term Storage: Implications for Ocular Regeneration. , 2018, 59, 3728.		16
39	Fidelity of long-term cryopreserved adipose-derived stem cells for differentiation into cells of ocular and other lineages. <i>Experimental Eye Research</i> , 2019, 189, 107860.	1.2	16
40	Stem Cells from Human Trabecular Meshwork Hold the Potential to Develop into Ocular and Non-Ocular Lineages After Long-Term Storage. <i>Stem Cells and Development</i> , 2020, 29, 49-61.	1.1	13
41	The anti-scarring effect of corneal stromal stem cell therapy is mediated by transforming growth factor $\beta$ 3. <i>Eye and Vision (London, England)</i> , 2020, 7, 52.	1.4	13
42	Two-step induction of trabecular meshwork cells from induced pluripotent stem cells for glaucoma. <i>Biochemical and Biophysical Research Communications</i> , 2020, 529, 411-417.	1.0	13
43	A bioengineering approach to Schlemm's canal-like stem cell differentiation for in vitro glaucoma drug screening. <i>Acta Biomaterialia</i> , 2020, 105, 203-213.	4.1	12
44	Cell-Based Therapies for Trabecular Meshwork Regeneration to Treat Glaucoma. <i>Biomolecules</i> , 2021, 11, 1258.	1.8	10
45	Diffusion Tensor Imaging of Visual Pathway Abnormalities in Five Glaucoma Animal Models. , 2021, 62, 21.		9
46	Human corneal stromal stem cells express anti-fibrotic microRNA-29a and 381-5p - A robust cell selection tool for stem cell therapy of corneal scarring. <i>Journal of Advanced Research</i> , 2023, 45, 141-155.	4.4	9
47	Ethyl Pyruvate Ameliorates Endotoxin-Induced Corneal Inflammation. , 2012, 53, 6589.		7
48	A novel transgenic mouse model for corneal scar visualization. <i>Experimental Eye Research</i> , 2020, 200, 108270.	1.2	6
49	A Biomimetic, Stem Cell-Derived In Vitro Ocular Outflow Model. <i>Advanced Biology</i> , 2020, 4, e2000004.	3.0	5
50	Trabecular Meshwork Stem Cells. <i>Pancreatic Islet Biology</i> , 2014, , 203-214.	0.1	2
51	Culture of Human Corneal Stem Cells. , 0, , 249-280.		0
52	Eye. <i>Human Cell Culture</i> , 2009, , 113-142.	0.1	0
53	Induced pluripotent stem cells for modeling open-angle glaucoma. , 2022, , 85-104.		0
54	In vivo engraftment into the cornea endothelium using extracellular matrix shrink-wrapped cells. <i>Communications Materials</i> , 2022, 3, .	2.9	0