Zhiguo He

List of Publications by Year in Descending Order

34 papers	974 citations	11 h-index	31 g-index
44 ext. papers	1,238 ext. citations	3.8 avg, IF	4.03 L-index

#	Paper	IF	Citations
34	Exploration of the ocular surface infection by SARS-CoV-2 and implications for corneal donation: An ex vivo study.. *PLoS Medicine*, **2022**, 19, e1003922	11.6	0
33	New Freeware for Image Analysis of Lissamine Green Conjunctival Staining. *Cornea*, **2021**, 40, 351-357	3.1	1
32	Corneal endothelial cell therapy: feasibility of cell culture from corneas stored in organ culture. *Cell and Tissue Banking*, **2021**, 22, 551-562	2.2	3
31	Predicting the retinal content in omega-3 fatty acids for age-related macular-degeneration. *Clinical and Translational Medicine*, **2021**, 11, e404	5.7	5
30	Epithelial Regeneration in Human Corneas Preserved in an Active Storage Machine. *Translational Vision Science and Technology*, **2021**, 10, 31	3.3	2
29	Radial Endothelial Striae Over 360 Degrees in Fuchs Corneal Endothelial Dystrophy: New Pathophysiological Findings. *Cornea*, **2021**, 40, 1604-1606	3.1	0
28	In Vivo Labeling and Tracking of Proliferating Corneal Endothelial Cells by 5-Ethynyl-2aDeoxyuridine in Rabbits. *Translational Vision Science and Technology*, **2021**, 10, 7	3.3	1
27	Three-month Storage of Human Corneas in an Active Storage Machine. *Transplantation*, **2020**, 104, 1159-1165	4.8	8
26	Ex vivo model of herpes simplex virus type I dendritic and geographic keratitis using a corneal active storage machine. *PLoS ONE*, **2020**, 15, e0236183	3.7	1
25	Evaluation of corneal epithelial wound healing after penetrating keratoplasty in patients receiving a new matrix therapy agent (regenerating agent). *European Journal of Ophthalmology*, **2020**, 30, 119-124	1.9	3
24	Ex vivo model of herpes simplex virus type I dendritic and geographic keratitis using a corneal active storage machine **2020**, 15, e0236183		
23	Ex vivo model of herpes simplex virus type I dendritic and geographic keratitis using a corneal active storage machine **2020**, 15, e0236183		
22	Ex vivo model of herpes simplex virus type I dendritic and geographic keratitis using a corneal active storage machine **2020**, 15, e0236183		
21	Ex vivo model of herpes simplex virus type I dendritic and geographic keratitis using a corneal active storage machine **2020**, 15, e0236183		
20	Capabilities of Gabor-domain optical coherence microscopy for the assessment of corneal disease. *Journal of Biomedical Optics*, **2019**, 24, 1-17	3.5	6
19	Innovative corneal active storage machine for long-term eye banking. *American Journal of Transplantation*, **2019**, 19, 1641-1651	8.7	14
18	Transplantation Blues: Inadvertent Staining of Amyloid Deposits With Trypan Blue. *Cornea*, **2018**, 37, 824-828	3.1	2

17	Immunosuppression by a subconjunctival implant releasing dexamethasone in a rabbit model of penetrating keratoplasty. *British Journal of Ophthalmology*, **2018**, 102, 692-699	5.5	2
16	Endothelial quality of eye bank-prestripped DMEK prepared form organ-cultured corneas with the Muraine technique. *Cell and Tissue Banking*, **2018**, 19, 705-716	2.2	7
15	Very early endothelial cell loss after penetrating keratoplasty with organ-cultured corneas. *British Journal of Ophthalmology*, **2017**, 101, 1113-1118	5.5	12
14	Considering 3D topography of endothelial folds to improve cell count of organ cultured corneas. *Cell and Tissue Banking*, **2017**, 18, 185-191	2.2	5
13	Storage of Porcine Cornea in an Innovative Bioreactor **2017**, 58, 5907-5917		17
12	Global Survey of Corneal Transplantation and Eye Banking. *JAMA Ophthalmology*, **2016**, 134, 167-73	3.9	612
11	Corneal endothelial cells possess an elaborate multipolar shape to maximize the basolateral to apical membrane area. *Molecular Vision*, **2016**, 22, 31-9	2.3	8
10	Ganglioside Profiling of the Human Retina: Comparison with Other Ocular Structures, Brain and Plasma Reveals Tissue Specificities. *PLoS ONE*, **2016**, 11, e0168794	3.7	14
9	Cutting and Decellularization of Multiple Corneal Stromal Lamellae for the Bioengineering of Endothelial Grafts **2016**, 57, 6639-6651		28
8	Delivery of macromolecules into the endothelium of whole ex vivo human cornea by femtosecond laser-activated carbon nanoparticles. *British Journal of Ophthalmology*, **2016**, 100, 1151-6	5.5	9
7	3D map of the human corneal endothelial cell. *Scientific Reports*, **2016**, 6, 29047	4.9	42
6	Delivery of Molecules into Human Corneal Endothelial Cells by Carbon Nanoparticles Activated by Femtosecond Laser. *PLoS ONE*, **2015**, 10, e0132023	3.7	9
5	Corneal endothelium self-healing mathematical model after inadvertent descemetorhexis. *Journal of Cataract and Refractive Surgery*, **2015**, 41, 2313-8	2.3	11
4	Optimization of immunostaining on flat-mounted human corneas. *Molecular Vision*, **2015**, 21, 1345-56	2.3	16
3	Revisited microanatomy of the corneal endothelial periphery: new evidence for continuous centripetal migration of endothelial cells in humans. *Stem Cells*, **2012**, 30, 2523-34	5.8	98
2	Optimization of immunolocalization of cell cycle proteins in human corneal endothelial cells. *Molecular Vision*, **2011**, 17, 3494-511	2.3	21
1	Ex vivo gene electrotransfer to the endothelium of organ cultured human corneas. *Ophthalmic Research*, **2010**, 43, 43-55	2.9	17