

Diego Ponzin

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

132
papers

2,796
citations

28
h-index

49
g-index

142
ext. papers

3,358
ext. citations

4.1
avg, IF

4.98
L-index

#	Paper	IF	Citations
132	Retinitis pigmentosa: genes and disease mechanisms. <i>Current Genomics</i> , 2011 , 12, 238-49	2.6	349
131	Isoforms of DeltaNp63 and the migration of ocular limbal cells in human corneal regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 9523-8	11.5	320
130	Analysis of limbal stem cell deficiency by corneal impression cytology. <i>Cornea</i> , 2003 , 22, 533-8	3.1	90
129	High-resolution analysis of the human retina miRNome reveals isomiR variations and novel microRNAs. <i>Nucleic Acids Research</i> , 2016 , 44, 1525-40	20.1	82
128	Anatomy and physiology of the human eye: effects of mucopolysaccharidoses disease on structure and function  review. <i>Clinical and Experimental Ophthalmology</i> , 2010 , 38, 2-11	2.4	80
127	Pneumatic dissection and storage of donor endothelial tissue for Descemet's membrane endothelial keratoplasty: a novel technique. <i>Ophthalmology</i> , 2010 , 117, 1517-20	7.3	66
126	Limbal stem cell deficiency and ocular phenotype in ectrodactyly-ectodermal dysplasia-clefting syndrome caused by p63 mutations. <i>Ophthalmology</i> , 2012 , 119, 74-83	7.3	63
125	Microkeratome-assisted preparation of ultrathin grafts for descemet stripping automated endothelial keratoplasty 2012 , 53, 521-4		61
124	Risk factors for graft failure after penetrating keratoplasty: 5-year follow-up from the corneal transplant epidemiological study. <i>Cornea</i> , 2011 , 30, 1328-35	3.1	61
123	Contact Lens-Assisted Pull-Through Technique for Delivery of Tri-Folded (Endothelium in) DMEK Grafts Minimizes Surgical Time and Cell Loss. <i>Ophthalmology</i> , 2016 , 123, 476-83	7.3	58
122	Preloaded Tissues for Descemet Membrane Endothelial Keratoplasty. <i>American Journal of Ophthalmology</i> , 2016 , 166, 120-125	4.9	58
121	Techniques for culture and assessment of limbal stem cell grafts. <i>Ocular Surface</i> , 2010 , 8, 146-53	6.5	56
120	The CORTES study: corneal transplant indications and graft survival in an Italian cohort of patients. <i>Cornea</i> , 2006 , 25, 507-15	3.1	46
119	Amniotic membranes in ophthalmology: long term data on transplantation outcomes. <i>Cell and Tissue Banking</i> , 2016 , 17, 51-8	2.2	44
118	An atlas of gene expression and gene co-regulation in the human retina. <i>Nucleic Acids Research</i> , 2016 , 44, 5773-84	20.1	44
117	Descemet membrane endothelial keratoplasty tissue preparation from donor corneas using a standardized submerged hydro-separation method. <i>American Journal of Ophthalmology</i> , 2014 , 158, 277-285.e144	4.9	44
116	Diagnosis and management of ophthalmological features in patients with mucopolysaccharidosis. <i>British Journal of Ophthalmology</i> , 2011 , 95, 613-9	5.5	42

115	Evaluation of ocular surface disorders: a new diagnostic tool based on impression cytology and confocal laser scanning microscopy. <i>British Journal of Ophthalmology</i> , 2010 , 94, 926-32	5.5	40
114	Comparison of preservation and transportation protocols for preloaded Descemet membrane endothelial keratoplasty. <i>British Journal of Ophthalmology</i> , 2018 , 102, 549-555	5.5	40
113	Standardizing Descemet Membrane Endothelial Keratoplasty Graft Preparation Method in the Eye Bank-Experience of 527 Descemet Membrane Endothelial Keratoplasty Tissues. <i>Cornea</i> , 2017 , 36, 1458-1466	3.1	39
112	Long-term effectiveness of autologous cultured limbal stem cell grafts in patients with limbal stem cell deficiency due to chemical burns. <i>Clinical and Experimental Ophthalmology</i> , 2012 , 40, 255-67	2.4	36
111	Endothelium-in versus endothelium-out for Descemet membrane endothelial keratoplasty graft preparation and implantation. <i>Acta Ophthalmologica</i> , 2017 , 95, 194-198	3.7	35
110	Stromal support for Descemet membrane endothelial keratoplasty. <i>Ophthalmology</i> , 2010 , 117, 2273-7	7.3	34
109	Effect of connexin 43 inhibition by the mimetic peptide Gap27 on corneal wound healing, inflammation and neovascularization. <i>British Journal of Pharmacology</i> , 2016 , 173, 2880-93	8.6	33
108	Clinical Outcomes of Preloaded Descemet Membrane Endothelial Keratoplasty Grafts With Endothelium Tri-Folded Inwards. <i>American Journal of Ophthalmology</i> , 2018 , 193, 106-113	4.9	33
107	Bacterial contamination of human organ-cultured corneas. <i>Cornea</i> , 2005 , 24, 603-7	3.1	32
106	Further evaluation of amniotic membrane banking for transplantation in ocular surface diseases. <i>Cell and Tissue Banking</i> , 2001 , 2, 155-63	2.2	32
105	Graft detachment and rebubbling rate in Descemet membrane endothelial keratoplasty. <i>Survey of Ophthalmology</i> , 2018 , 63, 245-250	6.1	30
104	Safety outcomes and long-term effectiveness of ex vivo autologous cultured limbal epithelial transplantation for limbal stem cell deficiency. <i>British Journal of Ophthalmology</i> , 2017 , 101, 640-649	5.5	28
103	Preloaded donor corneal lenticules in a new validated 3D printed smart storage glide for Descemet stripping automated endothelial keratoplasty. <i>British Journal of Ophthalmology</i> , 2015 , 99, 1388-95	5.5	28
102	Effects of gangliosides on the expression of autoimmune demyelination in the peripheral nervous system. <i>Annals of Neurology</i> , 1991 , 30, 678-85	9.4	28
101	Microkeratome-assisted superficial anterior lamellar keratoplasty for anterior stromal corneal opacities after penetrating keratoplasty. <i>Cornea</i> , 2012 , 31, 101-5	3.1	24
100	Posterior lamellar graft preparation: a prospective review from an eye bank on current and future aspects. <i>Journal of Ophthalmology</i> , 2013 , 2013, 769860	2	22
99	Descemet Membrane Endothelial Keratoplasty Learning Curve for Graft Preparation in an Eye Bank Using 645 Donor Corneas. <i>Cornea</i> , 2018 , 37, 767-771	3.1	21
98	A comparative study on different Descemet membrane endothelial keratoplasty graft preparation techniques. <i>Acta Ophthalmologica</i> , 2018 , 96, e718-e726	3.7	21

97	Outcomes from a modified microkeratome-assisted lamellar keratoplasty for keratoconus. <i>JAMA Ophthalmology</i> , 2012 , 130, 776-82		21
96	A high-resolution RNA expression atlas of retinitis pigmentosa genes in human and mouse retinas. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 2330-6		21
95	Effects of corneal preservation conditions on human corneal endothelial cell culture. <i>Experimental Eye Research</i> , 2019 , 179, 93-101	3.7	21
94	Transcorneal suture fixation of posterior lamellar grafts in eyes with minimal or absent iris-lens diaphragm. <i>American Journal of Ophthalmology</i> , 2011 , 151, 460-4.e2	4.9	20
93	Localization and expression of CHST6 and keratan sulfate proteoglycans in the human cornea. <i>Experimental Eye Research</i> , 2010 , 91, 293-9	3.7	20
92	<i>Mycobacterium chelonae</i> interface infection after endokeratoplasty. <i>American Journal of Ophthalmology</i> , 2003 , 135, 393-5	4.9	20
91	Reconstruction of a human hemicornea through natural scaffolds compatible with the growth of corneal epithelial stem cells and stromal keratocytes. <i>Molecular Vision</i> , 2009 , 15, 2084-93	2.3	19
90	A portable device for measuring donor corneal transparency in eye banks. <i>Cell and Tissue Banking</i> , 2014 , 15, 7-13	2.2	18
89	Bubble technique for Descemet membrane endothelial keratoplasty tissue preparation in an eye bank: air or liquid?. <i>Acta Ophthalmologica</i> , 2015 , 93, e129-34	3.7	18
88	DMEK lenticule preparation from donor corneas using a novel SubHySR technique followed by anterior corneal dissection. <i>British Journal of Ophthalmology</i> , 2014 , 98, 1120-5	5.5	17
87	In Vivo Confocal Microscopy 1 Year after Autologous Cultured Limbal Stem Cell Grafts. <i>Ophthalmology</i> , 2015 , 122, 1660-8	7.3	15
86	Passaging capability of human corneal endothelial cells derived from old donors with and without accelerating cell attachment. <i>Experimental Eye Research</i> , 2019 , 189, 107814	3.7	15
85	A quantitative method to evaluate the donor corneal tissue quality used in a comparative study between two hypothermic preservation media. <i>Cell and Tissue Banking</i> , 2014 , 15, 543-54	2.2	15
84	Evaluation of Intrastromal Riboflavin Concentration in Human Corneas after Three Corneal Cross-Linking Imbibition Procedures: A Pilot Study. <i>Journal of Ophthalmology</i> , 2015 , 2015, 794256	2	15
83	Gene transfer of integration defective anti-HSV-1 meganuclease to human corneas ex vivo. <i>Gene Therapy</i> , 2014 , 21, 272-81	4	15
82	A novel de novo missense mutation in TP63 underlying germline mosaicism in AEC syndrome: implications for recurrence risk and prenatal diagnosis. <i>American Journal of Medical Genetics, Part A</i> , 2012 , 158A, 1957-61	2.5	15
81	Corneal Epithelial Stem Cells Repopulate the Donor Area within 1 Year from Limbus Removal for Limbal Autograft. <i>Ophthalmology</i> , 2016 , 123, 2481-2488	7.3	15
80	Fish Scale-Derived Scaffolds for Culturing Human Corneal Endothelial Cells. <i>Stem Cells International</i> , 2018 , 2018, 8146834	5	15

79	Targeting herpetic keratitis by gene therapy. <i>Journal of Ophthalmology</i> , 2012 , 2012, 594869	2	14
78	Correction of Mutant p63 in EEC Syndrome Using siRNA Mediated Allele-Specific Silencing Restores Defective Stem Cell Function. <i>Stem Cells</i> , 2016 , 34, 1588-600	5.8	14
77	Donor tissue preparation for Descemet membrane endothelial keratoplasty. <i>British Journal of Ophthalmology</i> , 2011 , 95, 1172-3; author reply 1173	5.5	13
76	Preservation of Preloaded DMEK Lenticules in Dextran and Non-Dextran-Based Organ Culture Medium. <i>Journal of Ophthalmology</i> , 2016 , 2016, 5830835	2	13
75	Next-generation sequencing for the detection of microorganisms present in human donor corneal preservation medium. <i>BMJ Open Ophthalmology</i> , 2019 , 4, e000246	3.2	12
74	New Frontiers of Corneal Gene Therapy. <i>Human Gene Therapy</i> , 2019 , 30, 923-945	4.8	12
73	Cross-Country Transportation Efficacy and Clinical Outcomes of Preloaded Large-Diameter Ultra-Thin Descemet Stripping Automated Endothelial Keratoplasty Grafts. <i>Cornea</i> , 2019 , 38, 30-34	3.1	12
72	Simple limbal epithelial transplantation: a review on current approach and future directions. <i>Survey of Ophthalmology</i> , 2018 , 63, 869-874	6.1	12
71	Banking of donor tissues for descemet stripping automated endothelial keratoplasty. <i>Cornea</i> , 2013 , 32, 70-5	3.1	11
70	Cornea preservation in culture with bovine serum or chicken ovalbumin. <i>Cornea</i> , 2003 , 22, 254-8	3.1	11
69	Synthetic versus serum-based medium for corneal preservation in organ culture: a comparative study between 2 different media. <i>European Journal of Ophthalmology</i> , 2015 , 25, 96-100	1.9	10
68	Fungal keratitis following deep lamellar keratoplasty. <i>Seminars in Ophthalmology</i> , 2011 , 26, 33-5	2.4	10
67	Culturing Discarded Peripheral Human Corneal Endothelial Cells From the Tissues Deemed for Preloaded DMEK Transplants. <i>Cornea</i> , 2019 , 38, 1175-1181	3.1	10
66	The Influence of Speed During Stripping in Descemet Membrane Endothelial Keratoplasty Tissue Preparation. <i>Cornea</i> , 2020 , 39, 1086-1090	3.1	9
65	Optimized Protocol for Regeneration of the Conjunctival Epithelium Using the Cell Suspension Technique. <i>Cornea</i> , 2019 , 38, 469-479	3.1	9
64	Biobanking of Dehydrated Human Donor Corneal Stroma to Increase the Supply of Anterior Lamellar Grafts. <i>Cornea</i> , 2019 , 38, 480-484	3.1	9
63	Personalized Stem Cell Therapy to Correct Corneal Defects Due to a Unique Homozygous-Heterozygous Mosaicism of Ectrodactyly-Ectodermal Dysplasia-Clefting Syndrome. <i>Stem Cells Translational Medicine</i> , 2016 , 5, 1098-105	6.9	8
62	European eye bank association. <i>Developments in Ophthalmology</i> , 2009 , 43, 15-21		7

61	Biomaterials for corneal endothelial cell culture and tissue engineering. <i>Journal of Tissue Engineering</i> , 2021 , 12, 2041731421990536	7.5	7
60	A superfusion apparatus for ex vivo human eye irritation investigations. <i>Toxicology in Vitro</i> , 2015 , 29, 1619-27	3.6	6
59	Human RNA integrity after postmortem retinal tissue recovery. <i>Ophthalmic Genetics</i> , 2013 , 34, 27-31	1.2	6
58	Development of an allele-specific real-time PCR assay for discrimination and quantification of p63 R279H mutation in EEC syndrome. <i>Journal of Molecular Diagnostics</i> , 2012 , 14, 38-45	5.1	6
57	Health status and patient satisfaction after corneal graft: results from the corneal transplant epidemiological study. <i>Journal of Ophthalmology</i> , 2012 , 2012, 230641	2	6
56	Corneal transplant during COVID-19 pandemic: the Italian Eye Bank national report. <i>Cell and Tissue Banking</i> , 2021 , 22, 697-702	2.2	6
55	Recombinant human serum albumin for corneal preservation. <i>Acta Ophthalmologica</i> , 2018 , 96, e79-e86	3.7	5
54	Role of dextran in maintaining adhesive and stiffness properties of prestripped DMEK lenticules. <i>European Journal of Ophthalmology</i> , 2017 , 27, 270-277	1.9	5
53	Prognostic value of somatosensory-evoked potentials and CT scan evaluation in acute traumatic brain injury. <i>Journal of Neurosurgical Anesthesiology</i> , 2014 , 26, 299-305	3	5
52	Effect of postmortem interval on the graft endothelium during preservation and after transplantation for keratoconus. <i>Cornea</i> , 2013 , 32, 842-6	3.1	5
51	Evaluation of the HB&L System for the Microbiological Screening of Storage Medium for Organ-Cultured Corneas. <i>Journal of Ophthalmology</i> , 2013 , 2013, 670947	2	5
50	Advances in corneal surgery and cell therapy: challenges and perspectives for eye banks. <i>Expert Review of Ophthalmology</i> , 2009 , 4, 317-329	1.5	5
49	A simplified technique for in situ excision of cornea and evisceration of retinal tissue from human ocular globe. <i>Journal of Visualized Experiments</i> , 2012 , e3765	1.6	5
48	Improved preparation and preservation of human keratoplasty lenticules. <i>Ophthalmic Research</i> , 2003 , 35, 313-8	2.9	5
47	Shotgun sequencing to determine corneal infection. <i>American Journal of Ophthalmology Case Reports</i> , 2020 , 19, 100737	1.3	4
46	Increasing Donor Endothelial Cell Pool by Culturing Cells from Discarded Pieces of Human Donor Corneas for Regenerative Treatments. <i>Journal of Ophthalmology</i> , 2019 , 2019, 2525384	2	4
45	Surgical Excision of Orbital Progressive Granular Cell Tumour. <i>Case Reports in Ophthalmological Medicine</i> , 2015 , 2015, 420490	0.7	4
44	Antigen presentation is inhibited in vivo by betamethasone. <i>Life Sciences</i> , 1995 , 56, 1595-9	6.8	4

43	A validated biorepository of retina and choroid tissues for gene expression studies. <i>Biopreservation and Biobanking</i> , 2014 , 12, 255-8	2.1	3
42	Standard terminology and labeling of ocular tissue for transplantation. <i>Cornea</i> , 2013 , 32, 725-8	3.1	3
41	Human corneal endothelial cells from older donors can be cultured and passaged on cell-derived extracellular matrix. <i>Acta Ophthalmologica</i> , 2021 , 99, e512-e522	3.7	3
40	Two cases of ultrathin Descemet stripping automated endothelial keratoplasty utilizing a graft that had undergone radial keratotomy. <i>Indian Journal of Ophthalmology</i> , 2016 , 64, 162-4	1.6	3
39	Human Corneal Endothelial Cell Assessment From Tissues Preserved in Serum-Based and Synthetic Storage Media. <i>Cornea</i> , 2019 , 38, 1438-1442	3.1	3
38	Inter-laboratory proficiency results of blood alcohol determinations at clinical and forensic laboratories in Italy. <i>Forensic Science International</i> , 2019 , 295, 213-218	2.6	3
37	Synthetic media for preservation of corneal tissues deemed for endothelial keratoplasty and endothelial cell culture. <i>Acta Ophthalmologica</i> , 2021 , 99, 314-325	3.7	3
36	Biobanking corneal tissues for emergency procedures during COVID-19 era. <i>Indian Journal of Ophthalmology</i> , 2021 , 69, 167-168	1.6	3
35	Development of a new superficial punch for Descemet's Membrane Endothelial Keratoplasty donor tissue preparation. <i>British Journal of Ophthalmology</i> , 2016 , 100, 443-5	5.5	2
34	Avoiding Complications Associated With Preloaded Ultrathin Descemet Stripping Automated Endothelial Keratoplasty. <i>Cornea</i> , 2017 , 36, e12-e13	3.1	2
33	Prevalence of guttae in the graft following corneal transplantation. <i>British Journal of Ophthalmology</i> , 2015 , 99, 1660-3	5.5	2
32	Biobanking of Human Retinas: The Next Big Leap for Eye Banks?. <i>Stem Cells Translational Medicine</i> , 2015 , 4, 868-72	6.9	2
31	Detection of severe acute respiratory syndrome coronavirus 2 in corneas from asymptomatic donors. <i>Acta Ophthalmologica</i> , 2021 , 99, e1245-e1246	3.7	2
30	Preloaded Descemet Membrane Endothelial Keratoplasty Grafts With Endothelium Outward: A Cross-Country Validation Study of the DMEK Rapid Device. <i>Cornea</i> , 2021 , 40, 484-490	3.1	2
29	Gender matching did not affect 2-year rejection or failure rates following DSAEK for Fuchs endothelial corneal dystrophy. <i>American Journal of Ophthalmology</i> , 2021 ,	4.9	2
28	Corneal storage methods: considerations and impact on surgical outcomes. <i>Expert Review of Ophthalmology</i> , 2021 , 16, 1-9	1.5	2
27	Gender medicine in corneal transplantation: influence of sex mismatch on rejection episodes and graft survival in a prospective cohort of patients. <i>Cell and Tissue Banking</i> , 2021 , 22, 47-56	2.2	2
26	Asymptomatic Infection in Decompensated Full-Thickness Corneal Grafts Referred for Repeat Penetrating Keratoplasty. <i>Cornea</i> , 2017 , 36, 431-433	3.1	1

25	Inadvertent donor button inversion during big-bubble deep anterior lamellar keratoplasty. <i>Cornea</i> , 2015 , 34, 94-6	3.1	1
24	Banking of corneal stromal lenticules: a risk-analysis assessment with the EuroGTP II interactive tool. <i>Cell and Tissue Banking</i> , 2020 , 21, 189-204	2.2	1
23	Targeting corneal disorders using gene therapy. <i>Expert Review of Ophthalmology</i> , 2012 , 7, 351-362	1.5	1
22	Two red eyes and one asymptomatic donor. <i>Lancet, The</i> , 2009 , 374, 1792	4.0	1
21	Ocular manifestations in patients with mucopolysaccharidosis: what do we know and how can we treat?. <i>Clinical and Experimental Ophthalmology</i> , 2010 , 38, 1-1	2.4	1
20	Delivering Endothelial Keratoplasty Grafts: Modern Day Transplant Devices.. <i>Current Eye Research</i> , 2022 , 1-12	2.9	1
19	Gram stain and addition of amphotericin B to improve the microbial safety of human donor corneas. <i>Cell and Tissue Banking</i> , 2021 , 1	2.2	1
18	A Novel Phenotype of Junctional Epidermolysis Bullosa with Transient Skin Fragility and Predominant Ocular Involvement Responsive to Human Amniotic Membrane Eyedrops. <i>Genes</i> , 2021 , 12,	4.2	1
17	Cost analysis of eye bank versus surgeon prepared endothelial grafts. <i>BMC Health Services Research</i> , 2021 , 21, 801	2.9	1
16	Cryopreservation of human amniotic membrane for ocular surface reconstruction: a comparison between protocols.. <i>Cell and Tissue Banking</i> , 2022 , 1	2.2	1
15	Critical pathway for deceased tissue donation: a novel adaptative European systematic approach. <i>Transplant International</i> , 2021 , 34, 865-871	3	0
14	Ultra-thin DSAEK using an innovative artificial anterior chamber pressuriser: a proof-of-concept study. <i>Graefers Archive for Clinical and Experimental Ophthalmology</i> , 2021 , 259, 1871-1877	3.8	0
13	Ultrastructural Analysis of Rehydrated Human Donor Corneas After Air-Drying and Dissection by Femtosecond Laser.. <i>Frontiers in Medicine</i> , 2021 , 8, 787937	4.9	0
12	Ocular surface reconstruction in limbal stem cell deficiency: current treatment options and perspectives. <i>Expert Review of Ophthalmology</i> , 2017 , 12, 43-56	1.5	
11	Fate of endothelial cells after intrastromal implantation of Descemet's membrane-endothelial cell tissue. <i>Cell and Tissue Banking</i> , 2020 , 21, 535-545	2.2	
10	Reply. <i>Cornea</i> , 2018 , 37, e27-e28	3.1	
9	Tracing the SARS-CoV-2 infection on the ocular surface: Overview and preliminary corneoscleral transcriptome sequencing.. <i>Experimental Eye Research</i> , 2022 , 217, 108975	3.7	
8	Dry Eye and PRK 2015 , 311-316		

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6 Ophthalmic Tissues: Specific Recovery and Processing Issues 229-251

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4 Guttae-like changes post Descemet membrane endothelial keratoplasty. *Canadian Journal of Ophthalmology*, **2021**, 56, e191-e194 1.4

3 Transplantation failure due to inadvertent reversal of human donor corneas. *European Journal of Ophthalmology*, **2016**, 26, e21-3 1.9

2 Polarization of human donor corneas. *Cell and Tissue Banking*, **2016**, 17, 233-9 2.2

1 A new standardized immunofluorescence method for potency quantification (SMPQ) of human conjunctival cell cultures. *Cell and Tissue Banking*, **2021**, 22, 145-159 2.2