

Mohit Parekh

List of Publications by Citations

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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.

91
papers

865
citations

18
h-index

26
g-index

98
ext. papers

1,183
ext. citations

3.5
avg, IF

4.36
L-index

#	Paper	IF	Citations
91	Preloaded Tissues for Descemet Membrane Endothelial Keratoplasty. <i>American Journal of Ophthalmology</i> , 2016 , 166, 120-125	4.9	58
90	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	144
89	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
88	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
87	Factors Associated With Early Graft Detachment in Primary Descemet Membrane Endothelial Keratoplasty. <i>American Journal of Ophthalmology</i> , 2018 , 187, 117-124	4.9	36
86	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
85	Concise Review: An Update on the Culture of Human Corneal Endothelial Cells for Transplantation. <i>Stem Cells Translational Medicine</i> , 2016 , 5, 258-64	6.9	35
84	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
83	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
82	Graft detachment and rebubbling rate in Descemet membrane endothelial keratoplasty. <i>Survey of Ophthalmology</i> , 2018 , 63, 245-250	6.1	30
81	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
80	Human Corneal Endothelial Cell Cultivation From Old Donor Corneas With Forced Attachment. <i>Scientific Reports</i> , 2017 , 7, 142	4.9	25
79	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
78	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
77	A comparative study on different Descemet membrane endothelial keratoplasty graft preparation techniques. <i>Acta Ophthalmologica</i> , 2018 , 96, e718-e726	3.7	21
76	Effects of corneal preservation conditions on human corneal endothelial cell culture. <i>Experimental Eye Research</i> , 2019 , 179, 93-101	3.7	21
75	A portable device for measuring donor corneal transparency in eye banks. <i>Cell and Tissue Banking</i> , 2014 , 15, 7-13	2.2	18

74	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
73	DMEK lenticule preparation from donor corneas using a novel SubHySWechnique followed by anterior corneal dissection. <i>British Journal of Ophthalmology</i> , 2014 , 98, 1120-5	5.5	17
72	Metagenomics in ophthalmology: Hypothesis or real prospective?. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2019 , 23, e00355	5.3	15
71	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
70	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
69	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
68	Fish Scale-Derived Scaffolds for Culturing Human Corneal Endothelial Cells. <i>Stem Cells International</i> , 2018 , 2018, 8146834	5	15
67	Preservation of Preloaded DMEK Lenticules in Dextran and Non-Dextran-Based Organ Culture Medium. <i>Journal of Ophthalmology</i> , 2016 , 2016, 5830835	2	13
66	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
65	Eye Banking: One Cornea for Multiple Recipients. <i>Cornea</i> , 2020 , 39, 1599-1603	3.1	12
64	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
63	Simple limbal epithelial transplantation: a review on current approach and future directions. <i>Survey of Ophthalmology</i> , 2018 , 63, 869-874	6.1	12
62	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
61	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
60	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
59	Sensing inhomogeneous mechanical properties of human corneal Descemet's membrane with AFM nano-indentation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 74, 21-27	4.1	7
58	Biomaterials for corneal endothelial cell culture and tissue engineering. <i>Journal of Tissue Engineering</i> , 2021 , 12, 2041731421990536	7.5	7
57	A superfusion apparatus for ex vivo human eye irritation investigations. <i>Toxicology in Vitro</i> , 2015 , 29, 1619-27	3.6	6

56	Two-photon optical microscopy imaging of endothelial keratoplasty grafts. <i>Graefers Archive for Clinical and Experimental Ophthalmology</i> , 2017 , 255, 575-582	3.8	5
55	Importance of Axial Length and Functional Corneal Endothelial Cells in Descemet Membrane Endothelial Keratoplasty. <i>Cornea</i> , 2017 , 36, e35-e36	3.1	5
54	Recombinant human serum albumin for corneal preservation. <i>Acta Ophthalmologica</i> , 2018 , 96, e79-e86	3.7	5
53	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
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	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
50	Descemet Membrane Endothelial Keratoplasty - Complication and management of a single case for tissue preparation and graft size linked to post-op descemetorhexis disparity. <i>American Journal of Ophthalmology Case Reports</i> , 2018 , 12, 65-67	1.3	5
49	Pull-through technique for delivery of a larger diameter DMEK graft using endothelium-in method. <i>Canadian Journal of Ophthalmology</i> , 2017 , 52, e155-e156	1.4	4
48	Shotgun sequencing to determine corneal infection. <i>American Journal of Ophthalmology Case Reports</i> , 2020 , 19, 100737	1.3	4
47	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
46	En-face analysis of the human limbal lymphatic vasculature. <i>Experimental Eye Research</i> , 2020 , 201, 1082737	3.7	4
45	Impact of COVID-19 on corneal donation and distribution. <i>European Journal of Ophthalmology</i> , 2020 , 1120672120948746	1.9	4
44	Approaches for corneal endothelium regenerative medicine. <i>Progress in Retinal and Eye Research</i> , 2021 , 100987	20.5	4
43	Tips, Tricks, and Guides in Descemet Membrane Endothelial Keratoplasty Learning Curve. <i>Journal of Ophthalmology</i> , 2021 , 2021, 1819454	2	4
42	Clinical outcomes of pre-loaded ultra-thin DSAEK and pre-loaded DMEK. <i>BMJ Open Ophthalmology</i> , 2020 , 5, e000546	3.2	3
41	A validated biorepository of retina and choroid tissues for gene expression studies. <i>Biopreservation and Biobanking</i> , 2014 , 12, 255-8	2.1	3
40	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
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	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
37	Biobanking corneal tissues for emergency procedures during COVID-19 era. <i>Indian Journal of Ophthalmology</i> , 2021 , 69, 167-168	1.6	3
36	Extracellular Vesicles Secreted by Corneal Myofibroblasts Promote Corneal Epithelial Cell Migration.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	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	Epithelial Cell-Derived Extracellular Vesicles Trigger the Differentiation of Two Epithelial Cell Lines.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	2
32	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
31	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
30	Corneal storage methods: considerations and impact on surgical outcomes. <i>Expert Review of Ophthalmology</i> , 2021 , 16, 1-9	1.5	2
29	Confounding factors influencing the scroll width of Descemet membrane endothelial keratoplasty graft. <i>Indian Journal of Ophthalmology</i> , 2021 , 69, 461-462	1.6	2
28	Artificial Anterior Chamber Pressure and Corneal Thinning Rate in UT-DSAEK. <i>Cornea</i> , 2018 , 37, e5	3.1	2
27	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
26	Delivering Endothelial Keratoplasty Grafts: Modern Day Transplant Devices.. <i>Current Eye Research</i> , 2022 , 1-12	2.9	1
25	Eye bank versus surgeon prepared DMEK tissues: influence on adhesion and re-bubbling rate. <i>British Journal of Ophthalmology</i> , 2020 ,	5.5	1
24	Dual inhibition of complement component 5 and leukotriene B4 by topical rVA576 in atopic keratoconjunctivitis: TRACKER phase 1 clinical trial results. <i>Orphanet Journal of Rare Diseases</i> , 2021 , 16, 270	4.2	1
23	Cost analysis of eye bank versus surgeon prepared endothelial grafts. <i>BMC Health Services Research</i> , 2021 , 21, 801	2.9	1
22	Challenges in corneal endothelial cell culture. <i>Regenerative Medicine</i> , 2021 , 16, 871-891	2.5	1
21	Impact of COVID-19 restrictions on corneal tissue donation and utilization rate - Time to bring reforms?. <i>Indian Journal of Ophthalmology</i> , 2021 , 69, 3782-3784	1.6	0

20	Long-term preservation of human donor corneal tissues in organ culture. <i>Cell and Tissue Banking</i> , 2021 , 1	2.2	0
19	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
18	Expanding the supply of donor grafts. <i>Cornea</i> , 2021 , 40, e16-e17	3.1	0
17	Rebubbling rate in preloaded versus surgeon prepared DSAEK. <i>European Journal of Ophthalmology</i> , 2021 , 11206721211014380	1.9	0
16	Culture of corneal endothelial cells obtained by descemetorhexis of corneas with Fuchs endothelial corneal dystrophy. <i>Experimental Eye Research</i> , 2021 , 211, 108748	3.7	0
15	Blocking connexin 43 accelerates corneal healing and improves tissue remodeling during the healing of diabetic rat corneas: A histological and immunohistochemical study. <i>European Journal of Inflammation</i> , 2019 , 17, 205873921984338	0.3	
14	Complications and Management of Prestripped Descemet Membrane Endothelial Keratoplasty Grafts. <i>Cornea</i> , 2020 , 39, 1576-1577	3.1	
13	Fate of endothelial cells after intrastromal implantation of DescemetW/membrane-endothelial cell tissue. <i>Cell and Tissue Banking</i> , 2020 , 21, 535-545	2.2	
12	Solar retinopathy: a new setting of red, green, and blue channels. <i>European Journal of Ophthalmology</i> , 2021 , 31, 1261-1266	1.9	
11	Reply. <i>Cornea</i> , 2018 , 37, e27-e28	3.1	
10	Reply. <i>American Journal of Ophthalmology</i> , 2018 , 192, 250-251	4.9	
9	Comment on: A novel device to visualize Descemet membrane during donor preparation for Descemet membrane endothelial keratoplasty.. <i>Indian Journal of Ophthalmology</i> , 2022 , 70, 335-336	1.6	
8	Extracellular Vesicles Derived From Human Corneal Endothelial Cells Inhibit Proliferation of Human Corneal Endothelial Cells.. <i>Frontiers in Medicine</i> , 2021 , 8, 753555	4.9	
7	Eye Bank Management of Irregular Descemet Stripping Automated Endothelial Keratoplasty Lenticules. <i>Cornea</i> , 2021 , 40, 786-789	3.1	
6	Developments in Corneal Banking 2016 , 23-33		
5	Transplantation failure due to inadvertent reversal of human donor corneas. <i>European Journal of Ophthalmology</i> , 2016 , 26, e21-3	1.9	
4	Polarization of human donor corneas. <i>Cell and Tissue Banking</i> , 2016 , 17, 233-9	2.2	
3	Investigating the Effects of Coenzyme Q10 on Human Corneal Endothelial Cells. <i>Journal of Ophthalmology</i> , 2021 , 2021, 8392572	2	

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| 2 | Eye bank versus surgeon prepared Descemet stripping automated endothelial keratoplasty tissues: Influence on adhesion force in a pilot study.. <i>Indian Journal of Ophthalmology</i> , 2022 , 70, 523-528 | 1.6 |
| 1 | Incremental Concentrations of Tacrolimus Eye Drops as a Strategy for the Management of Severe Vernal Keratoconjunctivitis.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 798998 | 5.6 |