

# Dipika V Patel

## List of Publications by Year in descending order

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124  
papers

3,855  
citations

147566

31  
h-index

205818

48  
g-index

125  
all docs

125  
docs citations

125  
times ranked

3154  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping of the Normal Human Corneal Sub-Basal Nerve Plexus by In Vivo Laser Scanning Confocal Microscopy. , 2005, 46, 4485.		261
2	Biomechanical Responses of Healthy and Keratoconic Corneas Measured Using a Noncontact Scheimpflug-Based Tonometer. , 2014, 55, 3651.		171
3	Contemporary in vivo confocal microscopy of the living human cornea using white light and laser scanning techniques: a major review. Clinical and Experimental Ophthalmology, 2007, 35, 71-88.	1.3	168
4	Mapping the Corneal Sub-basal Nerve Plexus in Keratoconus by In Vivo Laser Scanning Confocal Microscopy. , 2006, 47, 1348.		127
5	Comparison and Repeatability of Keratometric and Corneal Power Measurements Obtained by Orbscan II, Pentacam, and Galilei Corneal Tomography Systems. American Journal of Ophthalmology, 2013, 156, 53-60.	1.7	122
6	Biomechanical properties of the keratoconic cornea: a review. Australasian journal of optometry, The, 2015, 98, 31-38.	0.6	117
7	In Vivo Laser Scanning Confocal Microscopy Confirms that the Human Corneal Sub-basal Nerve Plexus Is a Highly Dynamic Structure. , 2008, 49, 3409.		103
8	Laser Scanning In Vivo Confocal Analysis of Keratocyte Density in Keratoconus. Ophthalmology, 2008, 115, 845-850.	2.5	101
9	Laser Scanning In Vivo Confocal Microscopy of the Normal Human Corneoscleral Limbus. , 2006, 47, 2823.		99
10	Topical antibiotics for the management of bacterial keratitis: an evidence-based review of high quality randomised controlled trials. British Journal of Ophthalmology, 2014, 98, 1470-1477.	2.1	97
11	Corneal Sensitivity and Slit Scanning In Vivo Confocal Microscopy of the Subbasal Nerve Plexus of the Normal Central and Peripheral Human Cornea. Cornea, 2009, 28, 735-740.	0.9	94
12	New therapeutic approaches in the treatment of diabetic keratopathy: a review. Clinical and Experimental Ophthalmology, 2011, 39, 259-270.	1.3	85
13	Quantitative analysis of in vivo confocal microscopy images: A review. Survey of Ophthalmology, 2013, 58, 466-475.	1.7	82
14	Acute Corneal Hydrops in Keratoconus – New Perspectives. American Journal of Ophthalmology, 2014, 157, 921-928.e1.	1.7	81
15	In Vivo Confocal Microscopy Analyses of Corneal Microstructural Changes in a Prospective Study of Collagen Cross-linking in Keratoconus. Ophthalmology, 2014, 121, 469-474.	2.5	72
16	In Vivo Confocal Microscopy of Corneal Nerves: An Ocular Biomarker for Peripheral and Cardiac Autonomic Neuropathy in Type 1 Diabetes Mellitus. , 2015, 56, 5060.		71
17	The pathophysiology of Fuchs' endothelial dystrophy – A review of molecular and cellular insights. Experimental Eye Research, 2015, 130, 97-105.	1.2	65
18	Peripheral Neuropathy and Tear Film Dysfunction in Type 1 Diabetes Mellitus. Journal of Diabetes Research, 2014, 2014, 1-6.	1.0	59

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19	The Incidence of Acute Anterior Uveitis after Intravenous Zoledronate. <i>Ophthalmology</i> , 2013, 120, 773-776.	2.5	54
20	Corneal Microstructural Changes in Nerve Fiber, Endothelial and Epithelial Density After Cataract Surgery in Patients With Diabetes Mellitus. <i>Cornea</i> , 2015, 34, 177-181.	0.9	54
21	In Vivo Confocal Microscopy of the Human Cornea in the Assessment of Peripheral Neuropathy and Systemic Diseases. <i>BioMed Research International</i> , 2015, 2015, 1-11.	0.9	51
22	Cystoid macular oedema following cataract surgery: A review. <i>Clinical and Experimental Ophthalmology</i> , 2019, 47, 346-356.	1.3	51
23	In Vivo Confocal Microscopy of Posterior Polymorphous Dystrophy. <i>Cornea</i> , 2005, 24, 550-554.	0.9	49
24	A brief history of corneal transplantation: From ancient to modern. <i>Oman Journal of Ophthalmology</i> , 2013, 6, 12.	0.2	48
25	Natural history of corneal haze after corneal collagen crosslinking in keratoconus using Scheimpflug analysis. <i>Journal of Cataract and Refractive Surgery</i> , 2016, 42, 1053-1059.	0.7	45
26	The Auckland keratoconus study: Identifying predictors of acute corneal hydrops in keratoconus. <i>Australasian journal of optometry</i> , The, 2013, 96, 208-213.	0.6	44
27	Computerized corneal tomography and associated features in a large New Zealand keratoconic population. <i>Journal of Cataract and Refractive Surgery</i> , 2011, 37, 1493-1501.	0.7	43
28	Advanced anterior segment imaging in keratoconus: a review. <i>Clinical and Experimental Ophthalmology</i> , 2018, 46, 122-132.	1.3	42
29	Impact of diabetes mellitus on the ocular surface: a review. <i>Clinical and Experimental Ophthalmology</i> , 2016, 44, 278-288.	1.3	41
30	Clinical Case Notes.. <i>Clinical and Experimental Ophthalmology</i> , 2004, 32, 539-542.	1.3	38
31	Effectiveness of cataract phacoemulsification with toric intraocular lenses in addressing astigmatism after keratoplasty. <i>Journal of Cataract and Refractive Surgery</i> , 2014, 40, 2044-2049.	0.7	38
32	Incidence of ocular side effects with intravenous zoledronate: secondary analysis of a randomized controlled trial. <i>Osteoporosis International</i> , 2015, 26, 499-503.	1.3	37
33	Imaging the Microstructural Abnormalities of Meesmann Corneal Dystrophy by In Vivo Confocal Microscopy. <i>Cornea</i> , 2005, 24, 669-673.	0.9	36
34	The Auckland Cataract Study: Assessing Preoperative Risk Stratification Systems for Phacoemulsification Surgery in a Teaching Hospital. <i>American Journal of Ophthalmology</i> , 2016, 171, 145-150.	1.7	36
35	The rising tide of <i>Acanthamoeba</i> keratitis in Auckland, New Zealand: a 7-year review of presentation, diagnosis and outcomes (2009-2016). <i>Clinical and Experimental Ophthalmology</i> , 2018, 46, 600-607.	1.3	35
36	<i>Acanthamoeba</i> keratitis: a comprehensive photographic reference of common and uncommon signs. <i>Clinical and Experimental Ophthalmology</i> , 2009, 37, 232-238.	1.3	33

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37	Manuscript rejection in ophthalmology and visual science journals: identifying and avoiding the common pitfalls. <i>Clinical and Experimental Ophthalmology</i> , 2009, 37, 864-867.	1.3	33
38	Outcomes of scleral-sutured conventional and aniridia intraocular lens implantation performed in a university hospital setting. <i>Journal of Cataract and Refractive Surgery</i> , 2014, 40, 609-617.	0.7	33
39	Characterization of a Novel Collagen Scaffold for Corneal Tissue Engineering. <i>Tissue Engineering - Part C: Methods</i> , 2016, 22, 165-172.	1.1	33
40	Focused Tortuosity Definitions Based on Expert Clinical Assessment of Corneal Subbasal Nerves. , 2015, 56, 5102.		32
41	Umbilical cord stem cells in the treatment of corneal disease. <i>Survey of Ophthalmology</i> , 2017, 62, 803-815.	1.7	31
42	Inherited corneal disease: the evolving molecular, genetic and imaging revolution. <i>Clinical and Experimental Ophthalmology</i> , 2005, 33, 303-316.	1.3	30
43	Resurgence of <i>Acanthamoeba keratitis</i> in Auckland, New Zealand: a 7-year review of presentation and outcomes. <i>Clinical and Experimental Ophthalmology</i> , 2010, 38, 15-20.	1.3	30
44	Dr John Nottingham's 1854 Landmark Treatise on Conical Cornea Considered in the Context of the Current Knowledge of Keratoconus. <i>Cornea</i> , 2016, 35, 673-678.	0.9	30
45	Demographics and ocular biometric characteristics of patients undergoing cataract surgery in Auckland, New Zealand. <i>Clinical and Experimental Ophthalmology</i> , 2016, 44, 106-113.	1.3	29
46	The natural history of corneal topographic progression of keratoconus after age 30 years in non-contact lens wearers. <i>British Journal of Ophthalmology</i> , 2017, 101, 839-844.	2.1	29
47	The Molecular Basis of Fuchs' Endothelial Corneal Dystrophy. <i>Molecular Diagnosis and Therapy</i> , 2019, 23, 97-112.	1.6	27
48	Interocular Comparison by In Vivo Confocal Microscopy of the 2-Dimensional Architecture of the Normal Human Corneal Subbasal Nerve Plexus. <i>Cornea</i> , 2012, 31, 1376-1380.	0.9	25
49	In vivo confocal microscopy of the inflamed anterior segment: A review of clinical and research applications. <i>Clinical and Experimental Ophthalmology</i> , 2019, 47, 334-345.	1.3	25
50	Understanding keratoconus: what have we learned from the New Zealand perspective?. <i>Australasian journal of optometry, The</i> , 2013, 96, 183-187.	0.6	23
51	A prospective study of acute corneal hydrops by in vivo confocal microscopy in a New Zealand population with keratoconus. <i>British Journal of Ophthalmology</i> , 2014, 98, 1296-1302.	2.1	23
52	Publication and citation analysis of the Australian and New Zealand Journal of Ophthalmology and Clinical and Experimental Ophthalmology over a 10-year period: the evolution of an ophthalmology journal. <i>Clinical and Experimental Ophthalmology</i> , 2009, 37, 868-873.	1.3	22
53	Comparison of corneal biomechanical properties following penetrating keratoplasty and deep anterior lamellar keratoplasty for keratoconus. <i>Clinical and Experimental Ophthalmology</i> , 2020, 48, 174-182.	1.3	21
54	Comparison of Intraocular Pressure Measurement Using 4 Different Instruments Following Penetrating Keratoplasty. <i>American Journal of Ophthalmology</i> , 2012, 153, 412-418.	1.7	20

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55	Prospective analysis of visual outcomes using apodized, diffractive multifocal intraocular lenses following phacoemulsification for cataract or clear lens extraction. <i>Clinical and Experimental Ophthalmology</i> , 2012, 40, 148-154.	1.3	20
56	Quantitative Analysis of Corneal Energy Dissipation and Corneal and Orbital Deformation in Response to an Air-Pulse in Healthy Eyes. , 2015, 56, 6941.		20
57	The Auckland Cataract Study II: Reducing Complications by Preoperative Risk Stratification and Case Allocation in a Teaching Hospital. <i>American Journal of Ophthalmology</i> , 2017, 181, 20-25.	1.7	20
58	Laser Scanning In Vivo Confocal Microscopy Demonstrating Significant Alteration of Human Corneal Nerves Following Herpes Zoster Ophthalmicus. <i>Archives of Neurology</i> , 2010, 67, 640-1.	4.9	19
59	Prospective 2-year study of accelerated pulsed transepithelial corneal crosslinking outcomes for Keratoconus. <i>Eye</i> , 2019, 33, 1897-1903.	1.1	19
60	Topographic screening reveals keratoconus to be extremely common in Down syndrome. <i>Clinical and Experimental Ophthalmology</i> , 2020, 48, 1160-1167.	1.3	19
61	In vivo confocal microstructural analysis of corneal endothelial changes in a patient on long-term chlorpromazine therapy. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2005, 243, 721-723.	1.0	18
62	Clinical and microstructural analysis of patients with hyper-reflective corneal endothelial nuclei imaged by in vivo confocal microscopy. <i>Experimental Eye Research</i> , 2006, 82, 682-687.	1.2	18
63	Effect of Panretinal Photocoagulation on Corneal Sensation and the Corneal Subbasal Nerve Plexus in Diabetes Mellitus. , 2013, 54, 4485.		18
64	Prospective Clinical Study of Keratoconus Progression in Patients Awaiting Corneal Cross-linking. <i>Cornea</i> , 2020, 39, 1256-1260.	0.9	18
65	In Vivo Microstructural Analysis of the Cornea in Maroteaux-Lamy Syndrome. <i>Cornea</i> , 2005, 24, 623-625.	0.9	17
66	Auckland Cataract Study III: Refining Preoperative Assessment With Cataract Risk Stratification to Reduce Intraoperative Complications. <i>American Journal of Ophthalmology</i> , 2019, 197, 114-120.	1.7	16
67	Auckland Cataract Study IV: Practical application of NZCRS cataract risk stratification to reduce phacoemulsification complications. <i>Clinical and Experimental Ophthalmology</i> , 2020, 48, 311-318.	1.3	16
68	New Technology in Corneal Imaging. <i>International Ophthalmology Clinics</i> , 2010, 50, 177-189.	0.3	15
69	Auckland cataract study 2: clinical outcomes of phacoemulsification cataract surgery in a public teaching hospital. <i>Clinical and Experimental Ophthalmology</i> , 2017, 45, 584-591.	1.3	15
70	Corneal Transplantation in New Zealand 2000 to 2009. <i>Cornea</i> , 2018, 37, 290-295.	0.9	15
71	Prospective two-year study of clinical outcomes following epithelium-off pulsed versus continuous accelerated corneal crosslinking for keratoconus. <i>Clinical and Experimental Ophthalmology</i> , 2019, 47, 980-986.	1.3	15
72	The Effects of Re-challenge in Patients with a History of Acute Anterior Uveitis Following Intravenous Zoledronate. <i>Calcified Tissue International</i> , 2015, 97, 58-61.	1.5	14

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73	Complications related to sutures following penetrating and deep anterior lamellar keratoplasty. <i>Clinical and Experimental Ophthalmology</i> , 2016, 44, 142-143.	1.3	14
74	In vivo ocular biomechanical compliance in thyroid eye disease. <i>British Journal of Ophthalmology</i> , 2017, 101, 1076-1079.	2.1	14
75	Microdroplet and spatter contamination during phacoemulsification cataract surgery in the era of COVID-19. <i>Clinical and Experimental Ophthalmology</i> , 2020, 48, 1168-1174.	1.3	14
76	Measurement of In Vivo Biomechanical Changes Attributable to Epithelial Removal in Keratoconus Using a Noncontact Tonometer. <i>Cornea</i> , 2020, 39, 946-951.	0.9	13
77	Laser-scanning in vivo confocal microscopy reveals two morphologically distinct populations of stromal nerves in normal human corneas. <i>British Journal of Ophthalmology</i> , 2009, 93, 506-509.	2.1	12
78	Cosmetic contact lens-related <i>Acanthamoeba</i> keratitis. <i>Clinical and Experimental Ophthalmology</i> , 2009, 37, 419-420.	1.3	12
79	Keratocyte progenitor cell transplantation: A novel therapeutic strategy for corneal disease. <i>Medical Hypotheses</i> , 2013, 80, 122-124.	0.8	12
80	In Vivo Confocal Microscopy of Corneal Stromal Nerves in Patients With Peripheral Neuropathy. <i>Archives of Neurology</i> , 2009, 66, 1179.	4.9	11
81	TGFBI mutational analysis in a New Zealand population of inherited corneal dystrophy patients. <i>British Journal of Ophthalmology</i> , 2010, 94, 836-842.	2.1	11
82	Heavy-Chain Amyloidosis in TGFBI-Negative and Gelsolin-Negative Atypical Lattice Corneal Dystrophy. <i>Cornea</i> , 2011, 30, 1163-1166.	0.9	11
83	Treatment Adherence After Penetrating Corneal Transplant in a New Zealand Population From 2000 to 2009. <i>Cornea</i> , 2015, 34, 18-22.	0.9	11
84	Prospective two year study of changes in corneal density following transepithelial pulsed, epithelium-off continuous and epithelium-off pulsed, corneal crosslinking for keratoconus. <i>Contact Lens and Anterior Eye</i> , 2020, 43, 458-464.	0.8	11
85	Iris melanoma: pathology, prognosis and surgical intervention. <i>Clinical and Experimental Ophthalmology</i> , 2004, 32, 294-296.	1.3	10
86	A Prospective Study of the Clinical Characteristics of Patients With Herpes Simplex and Varicella Zoster Keratitis, Presenting to a New Zealand Emergency Eye Clinic. <i>Cornea</i> , 2015, 34, 279-284.	0.9	10
87	The Aotearoa Research Into Keratoconus Study: Geographic Distribution, Demographics, and Clinical Characteristics of Keratoconus in New Zealand. <i>Cornea</i> , 2022, 41, 16-22.	0.9	10
88	Repeat corneal transplantation in Auckland, New Zealand: Indications, visual outcomes and risk factors for repeat keratoplasty failure. <i>Clinical and Experimental Ophthalmology</i> , 2019, 47, 987-994.	1.3	9
89	Characteristics of Platelet Lysate Compared to Autologous and Allogeneic Serum Eye Drops. <i>Translational Vision Science and Technology</i> , 2020, 9, 24.	1.1	9
90	Successful culture of human transition zone cells. <i>Clinical and Experimental Ophthalmology</i> , 2020, 48, 689-700.	1.3	9

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91	Five-year results of a prospective, randomised, contralateral eye trial of corneal crosslinking for keratoconus. <i>Clinical and Experimental Ophthalmology</i> , 2021, 49, 542-549.	1.3	9
92	Multifocal lamellar keratitis following laser in situ keratomileusis. <i>Journal of Cataract and Refractive Surgery</i> , 2007, 33, 144-147.	0.7	7
93	Systemic associations of corneal deposits: a review and photographic guide. <i>Clinical and Experimental Ophthalmology</i> , 2017, 45, 14-23.	1.3	7
94	A perspective of contemporary cataract surgery: the most common surgical procedure in the world. <i>Journal of the Royal Society of New Zealand</i> , 2020, 50, 245-262.	1.0	7
95	Techniques for Wide-Field Assessment of the Human Corneal Subbasal Nerve Plexus. <i>Cornea</i> , 2013, 32, e140-e141.	0.9	6
96	Analysis of Glaucoma Subtypes and Corresponding Demographics in a New Zealand Population. <i>Biomedicine Hub</i> , 2017, 1, 1-8.	0.4	6
97	Combining primary and piggyback intraocular lenses to treat extreme myopic astigmatism in stable keratoconus following cataract surgery. <i>Australasian journal of optometry, The</i> , 2013, 96, 242-244.	0.6	5
98	Treatment of herpes zoster related corneal neovascularisation and lipid keratopathy by photodynamic therapy. <i>Australasian journal of optometry, The</i> , 2014, 97, 274-277.	0.6	5
99	Clinicopathological features of severe corneal blood staining associated with proliferative diabetic retinopathy. <i>Clinical and Experimental Ophthalmology</i> , 2006, 34, 272-274.	1.3	4
100	Mooren's ulcer and amniotic membrane transplant: a simple surgical solution?. <i>Clinical and Experimental Ophthalmology</i> , 2011, 39, 383-385.	1.3	4
101	Presumed late recurrence of <i>Acanthamoeba</i> keratitis exacerbated by exposure to topical corticosteroids. <i>Oman Journal of Ophthalmology</i> , 2013, 6, 40.	0.2	4
102	Healthcare and a holiday: the risks of LASIK tourism. <i>Australasian journal of optometry, The</i> , 2014, 97, 370-372.	0.6	4
103	Imaging the Microstructural Abnormalities of Meesmann Corneal Dystrophy by In Vivo Confocal Microscopy. <i>Cornea</i> , 2006, 25, 868-870.	0.9	3
104	Long-term microstructural changes following epikeratophakia: In vivo confocal microscopy study. <i>Journal of Cataract and Refractive Surgery</i> , 2008, 34, 1793-1798.	0.7	3
105	Potentially blinding herbal eye remedies: <i>Cestrum nocturnum</i> or lady of the night. <i>Clinical and Experimental Ophthalmology</i> , 2009, 37, 531-532.	1.3	2
106	Chemical and Thermal Injuries to the Ocular Surface. , 2013, , 219-230.		2
107	Conservative biopsy excision and management of a large iris melanoma. <i>Australasian journal of optometry, The</i> , 2014, 97, 278-279.	0.6	2
108	Hanging by threads: ectopia lentis. <i>Lancet, The</i> , 2014, 384, 893.	6.3	2

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109	Modelling the Deformation of the Human Cornea Produced by a Focussed Air Pulse. , 2015, , 93-100.		2
110	Peripheral Cornea Crosslinking Before Deep Anterior Lamellar Keratoplasty. Medical Hypothesis, Discovery, and Innovation in Ophthalmology, 2020, 9, 127-134.	0.4	2
111	Iris melanocytic tumours in New Zealand/Aotearoa: presentation, management and outcome in a high UV exposure environment. Eye, 2023, 37, 692-699.	1.1	2
112	Prospective one year study of corneal biomechanical changes following high intensity, accelerated cornea cross-linking in patients with keratoconus using a non-contact tonometer. European Journal of Ophthalmology, 2022, 32, 806-814.	0.7	2
113	Surgery for the Dry Eye. Clinical and Experimental Ophthalmology, 2008, 36, 690-690.	1.3	1
114	The effect of abnormal stromal protein on the biomechanical properties of the cornea. Australasian journal of optometry, The, 2017, 100, 729-731.	0.6	1
115	Acute Corneal Hydrops in a Young Man. JAMA Ophthalmology, 2020, 138, e190960.	1.4	1
116	Integration and remodelling of a collagen anterior lamellar keratoplasty graft in an animal model – A preliminary report. Experimental Eye Research, 2021, 209, 108661.	1.2	1
117	Darwinian evolution or (r)evolution: ophthalmology and ophthalmic journals in the 21st century. Clinical and Experimental Ophthalmology, 2009, 37, 158-159.	1.3	0
118	The da Vinci Codex: here the figures, here the colours, here all the images of every part of the universe are contracted to a point. Clinical and Experimental Ophthalmology, 2009, 37, 1-1.	1.3	0
119	Commentary. Journal of Neurosciences in Rural Practice, 2014, 5, 182-183.	0.3	0
120	Advances in Confocal Microscopy of the Eye. BioMed Research International, 2016, 2016, 1-2.	0.9	0
121	Scleral suture fixation of supplementary sulcus-based toric intraocular lenses to prevent rotational instability. Clinical and Experimental Ophthalmology, 2018, 46, 570-573.	1.3	0
122	Topical non-steroidal anti-inflammatory drugs are not the mainstay of prophylaxis and treatment for pseudophakic cystoid macular oedema: Response. Clinical and Experimental Ophthalmology, 2019, 47, 1104-1105.	1.3	0
123	The role of topical antibiotics in endophthalmitis prophylaxis in routine phacoemulsification cataract surgery?. Clinical and Experimental Ophthalmology, 2020, 48, 539-540.	1.3	0
124	Measurement of refractive, wavefront, topographic, and keratometric changes attributable to epithelial removal in keratoconus. Canadian Journal of Ophthalmology, 2021, 56, 6-11.	0.4	0