

# Paolo Rama

## List of Publications by Year in descending order

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81  
papers

7,607  
citations

87886

38  
h-index

76898

74  
g-index

81  
all docs

81  
docs citations

81  
times ranked

5573  
citing authors

#	ARTICLE	IF	CITATIONS
1	Limbal Stem-Cell Therapy and Long-Term Corneal Regeneration. <i>New England Journal of Medicine</i> , 2010, 363, 147-155.	27.0	990
2	Location and Clonal Analysis of Stem Cells and Their Differentiated Progeny in the Human Ocular Surface. <i>Journal of Cell Biology</i> , 1999, 145, 769-782.	5.2	657
3	AUTOLOGOUS FIBRIN-CULTURED LIMBAL STEM CELLS PERMANENTLY RESTORE THE CORNEAL SURFACE OF PATIENTS WITH TOTAL LIMBAL STEM CELL DEFICIENCY <sup>1</sup> . <i>Transplantation</i> , 2001, 72, 1478-1485.	1.0	458
4	Topical Treatment with Nerve Growth Factor for Corneal Neurotrophic Ulcers. <i>New England Journal of Medicine</i> , 1998, 338, 1174-1180.	27.0	375
5	Vernal keratoconjunctivitis revisited. <i>Ophthalmology</i> , 2000, 107, 1157-1163.	5.2	371
6	Assessment of Corneal Biomechanical Properties and Their Variation with Age. <i>Current Eye Research</i> , 2007, 32, 11-19.	1.5	336
7	Neurotrophic keratitis. <i>Eye</i> , 2003, 17, 989-995.	2.1	309
8	Topical treatment with nerve growth factor for neurotrophic keratitis. <i>Ophthalmology</i> , 2000, 107, 1347-1351.	5.2	262
9	Neurotrophic keratopathy. <i>Progress in Retinal and Eye Research</i> , 2018, 66, 107-131.	15.5	250
10	Biomechanical properties of human and porcine corneas. <i>Experimental Eye Research</i> , 2008, 86, 783-790.	2.6	198
11	Phase II Randomized, Double-Masked, Vehicle-Controlled Trial of Recombinant Human Nerve Growth Factor for Neurotrophic Keratitis. <i>Ophthalmology</i> , 2018, 125, 1332-1343.	5.2	188
12	Characterization of age-related variation in corneal biomechanical properties. <i>Journal of the Royal Society Interface</i> , 2010, 7, 1475-1485.	3.4	163
13	Excimer Laser Intrastromal Keratomileusis. <i>American Journal of Ophthalmology</i> , 1992, 113, 291-295.	3.3	151
14	Acanthamoeba keratitis with perforation after corneal crosslinking and bandage contact lens use. <i>Journal of Cataract and Refractive Surgery</i> , 2009, 35, 788-791.	1.5	132
15	Regional variation in the biomechanical properties of the human sclera. <i>Experimental Eye Research</i> , 2010, 90, 624-633.	2.6	126
16	Adult Human Müller Glia Cells Are a Highly Efficient Source of Rod Photoreceptors. <i>Stem Cells</i> , 2011, 29, 344-356.	3.2	122
17	Biological parameters determining the clinical outcome of autologous cultures of limbal stem cells. <i>Regenerative Medicine</i> , 2013, 8, 553-567.	1.7	117
18	Epithelial stem cells in corneal regeneration and epidermal gene therapy. <i>Journal of Pathology</i> , 2009, 217, 217-228.	4.5	106

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19	Analysis of Limbal Stem Cell Deficiency by Corneal Impression Cytology. <i>Cornea</i> , 2003, 22, 533-538.	1.7	105
20	Age-related variations in the biomechanical properties of human sclera. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012, 16, 181-191.	3.1	104
21	Management of neurotrophic keratopathy. <i>Current Opinion in Ophthalmology</i> , 1999, 10, 270-276.	2.9	102
22	Concise Review: Hurdles in a Successful Example of Limbal Stem Cell-based Regenerative Medicine. <i>Stem Cells</i> , 2014, 32, 26-34.	3.2	95
23	Assessment of the epithelium's contribution to corneal biomechanics. <i>Experimental Eye Research</i> , 2008, 86, 445-451.	2.6	91
24	Gamma knife radiosurgery for uveal melanoma: 12 years of experience. <i>British Journal of Ophthalmology</i> , 2009, 93, 40-44.	3.9	90
25	Efficacy of Valacyclovir vs Acyclovir for the Prevention of Recurrent Herpes Simplex Virus Eye Disease: A Pilot Study. <i>American Journal of Ophthalmology</i> , 2007, 144, 547-551.e1.	3.3	81
26	Incidence and progression of lens opacities in the Barbados Eye Studies. <i>Ophthalmology</i> , 2000, 107, 1267-1273.	5.2	70
27	Anti-inflammatory and Healing Properties of Nerve Growth Factor in Immune Corneal Ulcers With Stromal Melting. <i>JAMA Ophthalmology</i> , 2000, 118, 1446.	2.4	68
28	Experimental Assessment of Human Corneal Hysteresis. <i>Current Eye Research</i> , 2008, 33, 205-213.	1.5	67
29	Corneal confocal microscopy reveals trigeminal small sensory fiber neuropathy in amyotrophic lateral sclerosis. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 278.	3.4	66
30	Safety and Efficacy of Topical Infliximab in a Mouse Model of Ocular Surface Scarring. , 2013, 54, 1680.		64
31	Limbal Stem Cell Transplantation: Clinical Results, Limits, and Perspectives. <i>Stem Cells International</i> , 2018, 2018, 1-12.	2.5	60
32	Phase I Trial of Recombinant Human Nerve Growth Factor for Neurotrophic Keratitis. <i>Ophthalmology</i> , 2018, 125, 1468-1471.	5.2	56
33	In Vitro Evidence of Nerve Growth Factor Effects on Human Conjunctival Epithelial Cell Differentiation and Mucin Gene Expression. , 2009, 50, 4622.		54
34	From discovery to approval of an advanced therapy medicinal product-containing stem cells, in the EU. <i>Regenerative Medicine</i> , 2016, 11, 407-420.	1.7	53
35	Numerical Study of the Effect of Corneal Layered Structure on Ocular Biomechanics. <i>Current Eye Research</i> , 2009, 34, 26-35.	1.5	50
36	The CORTES Study. <i>Cornea</i> , 2006, 25, 507-515.	1.7	49

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37	Alkali burn versus suture-induced corneal neovascularization in C57BL/6 mice: An overview of two common animal models of corneal neovascularization. <i>Experimental Eye Research</i> , 2014, 121, 1-4.	2.6	46
38	Ocular Surface Injury Induces Inflammation in the Brain: In Vivo and Ex Vivo Evidence of a Cornealâ€“Trigeminal Axis. , 2014, 55, 6289.		44
39	Diagnosis and Management of Iridocorneal Endothelial Syndrome. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	44
40	Nerve Growth Factor Role on Retinal Ganglion Cell Survival and Axon Regrowth: Effects of Ocular Administration in Experimental Model of Optic Nerve Injury. <i>Molecular Neurobiology</i> , 2019, 56, 1056-1069.	4.0	42
41	NK1 Receptor Antagonists as a New Treatment for Corneal Neovascularization. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 6783-6794.	3.3	41
42	Impending corneal perforation after collagen cross-linking for herpetic keratitis. <i>Journal of Cataract and Refractive Surgery</i> , 2013, 39, 638-641.	1.5	39
43	Modified bigâ€“bubble technique compared to manual dissection deep anterior lamellar keratoplasty in the treatment of keratoconus. <i>Acta Ophthalmologica</i> , 2015, 93, 431-438.	1.1	38
44	Further evaluation of amniotic membrane banking for transplantation in ocular surface diseases. <i>Cell and Tissue Banking</i> , 2001, 2, 155-163.	1.1	37
45	Vision from the right stem. <i>Trends in Molecular Medicine</i> , 2011, 17, 1-7.	6.7	37
46	Isolation and genotyping of <i>Acanthamoeba</i> strains from corneal infections in Italy. <i>Journal of Medical Microbiology</i> , 2010, 59, 1324-1330.	1.8	34
47	Cultivated limbal epithelial transplantation. <i>Current Opinion in Ophthalmology</i> , 2017, 28, 387-389.	2.9	33
48	Cogan syndrome in children: early diagnosis and treatment is critical to prognosis. <i>American Journal of Ophthalmology</i> , 2004, 137, 757-758.	3.3	32
49	Substance P Modulation of Human and Murine Corneal Neovascularization. , 2018, 59, 1305.		32
50	Molecular basis for keratoconus: Lack of TrkA expression and its transcriptional repression by Sp3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16795-16800.	7.1	31
51	Visual Outcome in Ocular Sarcoidosis: Retrospective Evaluation of Risk Factors. <i>European Journal of Ophthalmology</i> , 2011, 21, 802-810.	1.3	31
52	Substance P and its Inhibition in Ocular Inflammation. <i>Current Drug Targets</i> , 2016, 17, 1265-1274.	2.1	29
53	VesselJ: A New Tool for Semiautomatic Measurement of Corneal Neovascularization. , 2015, 56, 8199.		26
54	Deep anterior lamellar keratoplasty using an original manual technique. <i>British Journal of Ophthalmology</i> , 2013, 97, 23-27.	3.9	25

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55	Anterior Uveitis Complicating Zoledronic Acid Infusion. <i>Ocular Immunology and Inflammation</i> , 2009, 17, 267-268.	1.8	24
56	Telomerase activity is sufficient to bypass replicative senescence in human limbal and conjunctival but not corneal keratinocytes. <i>European Journal of Cell Biology</i> , 2004, 83, 691-700.	3.6	22
57	Tumor Necrosis Factor- $\alpha$ Inhibitors as a Treatment of Corneal Hemangiogenesis and Lymphangiogenesis. <i>Eye and Contact Lens</i> , 2015, 41, 72-76.	1.6	22
58	Growth inhibition of formed corneal neovascularization following Fosaprepitant treatment. <i>Acta Ophthalmologica</i> , 2017, 95, e641-e648.	1.1	22
59	Time-Dependent Nerve Growth Factor Signaling Changes in the Rat Retina During Optic Nerve Crush-Induced Degeneration of Retinal Ganglion Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 98.	4.1	22
60	Corneal collagen cross-linking in paediatric patients affected by keratoconus. <i>British Journal of Ophthalmology</i> , 2018, 102, 248-252.	3.9	22
61	Novel mutations in the CHST6 gene causing macular corneal dystrophy. <i>Clinical Genetics</i> , 2004, 65, 120-125.	2.0	21
62	Double-Biguanide Therapy for Resistant <i>Acanthamoeba</i> Keratitis. <i>Case Reports in Ophthalmology</i> , 2011, 2, 338-342.	0.7	21
63	Rapid molecular identification of fungal pathogens in corneal samples from suspected keratomycosis cases. <i>Journal of Medical Microbiology</i> , 2006, 55, 1505-1509.	1.8	19
64	Topical treatment with nerve growth factor in an animal model of herpetic keratitis. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2007, 246, 121-127.	1.9	19
65	Direct sequencing of <i>Scenedosporium apiospermum</i> DNA in the diagnosis of a case of keratitis. <i>Journal of Medical Microbiology</i> , 2005, 54, 897-900.	1.8	18
66	Central Corneal Thickness Reproducibility among Ten Different Instruments. <i>Optometry and Vision Science</i> , 2016, 93, 1371-1379.	1.2	17
67	EFFICACY OF MEDIA ENRICHED WITH NONLACTATE-GENERATING SUBSTRATE FOR ORGAN PRESERVATION. <i>Transplantation</i> , 1999, 67, 800-808.	1.0	14
68	Severe keratitis following corneal cross-linking for keratoconus. <i>Acta Ophthalmologica</i> , 2011, 89, e658-e659.	1.1	13
69	EFFICACY OF ORGAN PRESERVATION MEDIA ENRICHED WITH NONLACTATE-GENERATING SUBSTRATE FOR MAINTAINING TISSUE VIABILITY. <i>Transplantation</i> , 1997, 63, 656-663.	1.0	11
70	Quantifying Ocular Surface Inflammation and Correlating It With Inflammatory Cell Infiltration In Vivo: A Novel Method. , 2015, 56, 7067.		10
71	Trigeminal stereotactic electrolysis induces dry eye in mice. <i>Acta Ophthalmologica</i> , 2013, 91, e162-3.	1.1	8
72	Angiopoietin 2 expression in the cornea and its control of corneal neovascularisation. <i>British Journal of Ophthalmology</i> , 2016, 100, 1005-1010.	3.9	7

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73	Involvement of the Anterior Segment of the Eye in Patients with Mucopolysaccharidoses: A Review of Reported Cases and Updates on the Latest Diagnostic Instrumentation. <i>Seminars in Ophthalmology</i> , 2017, 32, 707-714.	1.6	5
74	Unusual early recurrence of granular dystrophy after deep anterior lamellar keratoplasty: case report. <i>Arquivos Brasileiros De Oftalmologia</i> , 2013, 76, 126-128.	0.5	4
75	In vivo confocal microscopy in goldenhar syndrome: a case report. <i>BMC Ophthalmology</i> , 2013, 13, 55.	1.4	2
76	Response to "Pachymetry-Guided Intrastromal Air Injection ("Pachy-Bubble") for Deep Anterior Lamellar Keratoplasty. <i>Cornea</i> , 2015, 34, e32.	1.7	2
77	Reply: Corneal collagen crosslinking and herpetic keratitis. <i>Journal of Cataract and Refractive Surgery</i> , 2013, 39, 1281.	1.5	1
78	"Salt and Pepper" Corneal Endothelium. <i>Ophthalmology</i> , 2013, 120, 648-649.e1.	5.2	1
79	Autologous Cultivated Limbal Stem Cell Transplantation after Failed Previous Limbal Graft. <i>European Journal of Ophthalmology</i> , 2017, 27, e137-e139.	1.3	1
80	Erratum-title alt-title-type="runhead" /&gt;. , 2018, 59, 6026.		1
81	The twilight zone of stem cells and keratoprostheses. <i>Ocular Surface</i> , 2019, 17, 2-3.	4.4	1