

Paolo Rama

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.

79
papers

6,030
citations

35
h-index

77
g-index

81
ext. papers

6,899
ext. citations

5.8
avg, IF

5.39
L-index

#	Paper	IF	Citations
79	Limbal stem-cell therapy and long-term corneal regeneration. <i>New England Journal of Medicine</i> , 2010 , 363, 147-55	59.2	788
78	Location and clonal analysis of stem cells and their differentiated progeny in the human ocular surface. <i>Journal of Cell Biology</i> , 1999 , 145, 769-82	7.3	568
77	Autologous fibrin-cultured limbal stem cells permanently restore the corneal surface of patients with total limbal stem cell deficiency. <i>Transplantation</i> , 2001 , 72, 1478-85	1.8	384
76	Topical treatment with nerve growth factor for corneal neurotrophic ulcers. <i>New England Journal of Medicine</i> , 1998 , 338, 1174-80	59.2	317
75	Vernal keratoconjunctivitis revisited: a case series of 195 patients with long-term followup. <i>Ophthalmology</i> , 2000 , 107, 1157-63	7.3	287
74	Assessment of corneal biomechanical properties and their variation with age. <i>Current Eye Research</i> , 2007 , 32, 11-9	2.9	285
73	Neurotrophic keratitis. <i>Eye</i> , 2003 , 17, 989-95	4.4	232
72	Topical treatment with nerve growth factor for neurotrophic keratitis. <i>Ophthalmology</i> , 2000 , 107, 1347-51; discussion 1351-2	7.3	215
71	Biomechanical properties of human and porcine corneas. <i>Experimental Eye Research</i> , 2008 , 86, 783-90	3.7	160
70	Neurotrophic keratopathy. <i>Progress in Retinal and Eye Research</i> , 2018 , 66, 107-131	20.5	144
69	Excimer laser intrastromal keratomileusis. <i>American Journal of Ophthalmology</i> , 1992 , 113, 291-5	4.9	129
68	Phase II Randomized, Double-Masked, Vehicle-Controlled Trial of Recombinant Human Nerve Growth Factor for Neurotrophic Keratitis. <i>Ophthalmology</i> , 2018 , 125, 1332-1343	7.3	122
67	Characterization of age-related variation in corneal biomechanical properties. <i>Journal of the Royal Society Interface</i> , 2010 , 7, 1475-85	4.1	115
66	Acanthamoeba keratitis with perforation after corneal crosslinking and bandage contact lens use. <i>Journal of Cataract and Refractive Surgery</i> , 2009 , 35, 788-91	2.3	111
65	Regional variation in the biomechanical properties of the human sclera. <i>Experimental Eye Research</i> , 2010 , 90, 624-33	3.7	99
64	Biological parameters determining the clinical outcome of autologous cultures of limbal stem cells. <i>Regenerative Medicine</i> , 2013 , 8, 553-67	2.5	97
63	Adult human Müller glia cells are a highly efficient source of rod photoreceptors. <i>Stem Cells</i> , 2011 , 29, 344-56	5.8	94

62	Epithelial stem cells in corneal regeneration and epidermal gene therapy. <i>Journal of Pathology</i> , 2009 , 217, 217-28	9.4	93
61	Analysis of limbal stem cell deficiency by corneal impression cytology. <i>Cornea</i> , 2003 , 22, 533-8	3.1	90
60	Age-related variations in the biomechanical properties of human sclera. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012 , 16, 181-91	4.1	86
59	Management of neurotrophic keratopathy. <i>Current Opinion in Ophthalmology</i> , 1999 , 10, 270-6	5.1	81
58	Assessment of the epithelium's contribution to corneal biomechanics. <i>Experimental Eye Research</i> , 2008 , 86, 445-51	3.7	79
57	Concise review: hurdles in a successful example of limbal stem cell-based regenerative medicine. <i>Stem Cells</i> , 2014 , 32, 26-34	5.8	76
56	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, 547-51	4.9	66
55	Incidence and progression of lens opacities in the Barbados Eye Studies. <i>Ophthalmology</i> , 2000 , 107, 1267-73	7.3	65
54	Gamma knife radiosurgery for uveal melanoma: 12 years of experience. <i>British Journal of Ophthalmology</i> , 2009 , 93, 40-4	5.5	63
53	Experimental assessment of human corneal hysteresis. <i>Current Eye Research</i> , 2008 , 33, 205-13	2.9	59
52	Anti-inflammatory and healing properties of nerve growth factor in immune corneal ulcers with stromal melting. <i>JAMA Ophthalmology</i> , 2000 , 118, 1446-9		58
51	Safety and efficacy of topical infliximab in a mouse model of ocular surface scarring 2013 , 54, 1680-8		50
50	Corneal confocal microscopy reveals trigeminal small sensory fiber neuropathy in amyotrophic lateral sclerosis. <i>Frontiers in Aging Neuroscience</i> , 2014 , 6, 278	5.3	48
49	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
48	In vitro evidence of nerve growth factor effects on human conjunctival epithelial cell differentiation and mucin gene expression 2009 , 50, 4622-30		44
47	Numerical study of the effect of corneal layered structure on ocular biomechanics. <i>Current Eye Research</i> , 2009 , 34, 26-35	2.9	43
46	Phase I Trial of Recombinant Human Nerve Growth Factor for Neurotrophic Keratitis. <i>Ophthalmology</i> , 2018 , 125, 1468-1471	7.3	39
45	Limbal Stem Cell Transplantation: Clinical Results, Limits, and Perspectives. <i>Stem Cells International</i> , 2018 , 2018, 8086269	5	36

44	From discovery to approval of an advanced therapy medicinal product-containing stem cells, in the EU. <i>Regenerative Medicine</i> , 2016 , 11, 407-20	2.5	35
43	Ocular surface injury induces inflammation in the brain: in vivo and ex vivo evidence of a corneal-trigeminal axis 2014 , 55, 6289-300		32
42	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	3.7	32
41	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
40	Diagnosis and Management of Iridocorneal Endothelial Syndrome. <i>BioMed Research International</i> , 2015 , 2015, 763093	3	31
39	Vision from the right stem. <i>Trends in Molecular Medicine</i> , 2011 , 17, 1-7	11.5	31
38	Isolation and genotyping of Acanthamoeba strains from corneal infections in Italy. <i>Journal of Medical Microbiology</i> , 2010 , 59, 1324-1330	3.2	30
37	Cogan syndrome in children: early diagnosis and treatment is critical to prognosis. <i>American Journal of Ophthalmology</i> , 2004 , 137, 757-758	4.9	29
36	Impending corneal perforation after collagen cross-linking for herpetic keratitis. <i>Journal of Cataract and Refractive Surgery</i> , 2013 , 39, 638-41	2.3	28
35	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, 16795-800	11.5	28
34	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	6.2	26
33	Cultivated limbal epithelial transplantation. <i>Current Opinion in Ophthalmology</i> , 2017 , 28, 387-389	5.1	24
32	NK1 receptor antagonists as a new treatment for corneal neovascularization. <i>Investigative Ophthalmology and Visual Science</i> , 2014 , 55, 6783-94		24
31	Modified big-bubble technique compared to manual dissection deep anterior lamellar keratoplasty in the treatment of keratoconus. <i>Acta Ophthalmologica</i> , 2015 , 93, 431-8	3.7	23
30	Visual outcome in ocular sarcoidosis: retrospective evaluation of risk factors. <i>European Journal of Ophthalmology</i> , 2011 , 21, 802-10	1.9	21
29	Anterior uveitis complicating zoledronic acid infusion. <i>Ocular Immunology and Inflammation</i> , 2009 , 17, 267-8	2.8	20
28	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	6.1	20
27	Deep anterior lamellar keratoplasty using an original manual technique. <i>British Journal of Ophthalmology</i> , 2013 , 97, 23-7	5.5	19

26	Substance P Modulation of Human and Murine Corneal Neovascularization 2018 , 59, 1305-1312		18
25	Novel mutations in the CHST6 gene causing macular corneal dystrophy. <i>Clinical Genetics</i> , 2004 , 65, 120-54		18
24	Substance P and its Inhibition in Ocular Inflammation. <i>Current Drug Targets</i> , 2016 , 17, 1265-74	3	18
23	Tumor necrosis factor- α inhibitors as a treatment of corneal hemangiogenesis and lymphangiogenesis. <i>Eye and Contact Lens</i> , 2015 , 41, 72-6	3.2	17
22	Double-biguanide therapy for resistant acanthamoeba keratitis. <i>Case Reports in Ophthalmology</i> , 2011 , 2, 338-42	0.7	17
21	Rapid molecular identification of fungal pathogens in corneal samples from suspected keratomycosis cases. <i>Journal of Medical Microbiology</i> , 2006 , 55, 1505-1509	3.2	17
20	Corneal collagen cross-linking in paediatric patients affected by keratoconus. <i>British Journal of Ophthalmology</i> , 2018 , 102, 248-252	5.5	16
19	VesselJ: A New Tool for Semiautomatic Measurement of Corneal Neovascularization 2015 , 56, 8199-206		16
18	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,	6.3	15
17	Topical treatment with nerve growth factor in an animal model of herpetic keratitis. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2008 , 246, 121-7	3.8	13
16	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	3.2	13
15	Efficacy of media enriched with nonlactate-generating substrate for organ preservation: in vitro and clinical studies using the cornea model. <i>Transplantation</i> , 1999 , 67, 800-8	1.8	13
14	Growth inhibition of formed corneal neovascularization following Fosaprepitant treatment. <i>Acta Ophthalmologica</i> , 2017 , 95, e641-e648	3.7	12
13	Central Corneal Thickness Reproducibility among Ten Different Instruments. <i>Optometry and Vision Science</i> , 2016 , 93, 1371-1379	2.1	12
12	Severe keratitis following corneal cross-linking for keratoconus. <i>Acta Ophthalmologica</i> , 2011 , 89, e658-93.7		12
11	Efficacy of organ preservation media enriched with nonlactate-generating substrate for maintaining tissue viability: a transplantation study. <i>Transplantation</i> , 1997 , 63, 656-63	1.8	11
10	Quantifying Ocular Surface Inflammation and Correlating It With Inflammatory Cell Infiltration In Vivo: A Novel Method 2015 , 56, 7067-75		9
9	Trigeminal stereotactic electrolysis induces dry eye in mice. <i>Acta Ophthalmologica</i> , 2013 , 91, e162-3	3.7	8

8	Angiopoietin 2 expression in the cornea and its control of corneal neovascularisation. <i>British Journal of Ophthalmology</i> , 2016 , 100, 1005-1010	5.5	6
7	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	2.4	4
6	Unusual early recurrence of granular dystrophy after deep anterior lamellar keratoplasty: case report. <i>Arquivos Brasileiros De Oftalmologia</i> , 2013 , 76, 126-8	1.1	4
5	In vivo confocal microscopy in goldenhar syndrome: a case report. <i>BMC Ophthalmology</i> , 2013 , 13, 55	2.3	2
4	Response to "Pachymetry-Guided Intrastromal Air Injection ("Pachy-Bubble") for Deep Anterior Lamellar Keratoplasty: Results of the First 110 Cases". <i>Cornea</i> , 2015 , 34, e32	3.1	2
3	Reply: Corneal collagen crosslinking and herpetic keratitis. <i>Journal of Cataract and Refractive Surgery</i> , 2013 , 39, 1281	2.3	1
2	"Salt and pepper" corneal endothelium. <i>Ophthalmology</i> , 2013 , 120, 648-649.e1	7.3	1
1	Autologous cultivated limbal stem cell transplantation after failed previous limbal graft. <i>European Journal of Ophthalmology</i> , 2017 , 27, e137-e139	1.9	0