Rajendra S Apte

List of Publications by Year
in descending order

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62 papers	5,167 citations	201674 27 h-index	155660 55 g-index
65 all docs	65 docs citations	65 times ranked	8321 citing authors

#	Article	IF	Citations
1	VEGF in Signaling and Disease: Beyond Discovery and Development. Cell, 2019, 176, 1248-1264.	28.9	1,468
2	Long-Term Administration of Nicotinamide Mononucleotide Mitigates Age-Associated Physiological Decline in Mice. Cell Metabolism, 2016, 24, 795-806.	16.2	552
3	Electrophilic properties of itaconate and derivatives regulate theÂÎºBÎ¶â€“ATF3 inflammatory axis. Nature, 2018, 556, 501-504.	27.8	438
4	Zika Virus Infection in Mice Causes Panuveitis with Shedding of Virus in Tears. Cell Reports, 2016, 16, 3208-3218.	6.4	243
5	Extracellular Vesicle-Contained eNAMPT Delays Aging and Extends Lifespan in Mice. Cell Metabolism, 2019, 30, 329-342.e5.	16.2	239
6	Impaired Cholesterol Efflux in Senescent Macrophages Promotes Age-Related Macular Degeneration. Cell Metabolism, 2013, 17, 549-561.	16.2	212
7	Macrophages Inhibit Neovascularization in a Murine Model of Age-Related Macular Degeneration. PLoS Medicine, 2006, 3, e310.	8.4	211
8	Senescence regulates macrophage activation and angiogenic fate at sites of tissue injury in mice. Journal of Clinical Investigation, 2007, 117, 3421-3426.	8.2	201
9	IL10-driven STAT3 signalling in senescent macrophages promotes pathological eye angiogenesis. Nature Communications, 2015, 6, 7847.	12.8	155
10	NAMPT-Mediated NAD+ Biosynthesis Is Essential for Vision In Mice. Cell Reports, 2016, 17, 69-85.	6.4	150
11	Seeing through VEGF: innate and adaptive immunity in pathological angiogenesis in the eye. Trends in Molecular Medicine, 2015, 21, 43-51.	6.7	107
12	A systematic review of as needed versus treat and extend ranibizumab or bevacizumab treatment regimens for neovascular age-related macular degeneration. British Journal of Ophthalmology, 2016, 100, 914-917.	3.9	98
13	Stimulation of Neovascularization by the Anti-angiogenic Factor PEDF. , 2004, 45, 4491.		71
14	Short-Wavelength Light-Blocking Eyeglasses Attenuate Symptoms of Eye Fatigue. , 2017, 58, 442.		66
15	Age-Related Macular Degeneration. New England Journal of Medicine, 2021, 385, 539-547.	27.0	65
16	Impaired autophagy in macrophages promotes inflammatory eye disease. Autophagy, 2016, 12, 1876-1885.	9.1	58
17	Gene Therapy for Retinal Degeneration. Cell, 2018, 173, 5.	28.9	58
18	SARM1 depletion rescues NMNAT1-dependent photoreceptor cell death and retinal degeneration. ELife, 2020, 9, .	6.0	56

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19	A glimpse at the aging eye. Npj Aging and Mechanisms of Disease, 2016, 2, 16003.	4.5	53
20	Pegaptanib sodium for the treatment of age-related macular degeneration. Expert Opinion on Pharmacotherapy, 2008, 9, 499-508.	1.8	46
21	SIRT6 Is Required for Normal Retinal Function. PLoS ONE, 2014, 9, e98831.	2.5	46
22	SURGICAL OUTCOMES AFTER INVERTED INTERNAL LIMITING MEMBRANE FLAP VERSUS CONVENTIONAL PEELING FOR VERY LARGE MACULAR HOLES. Retina, 2019, 39, 1465-1469.	1.7	44
23	Eyeballing cholesterol efflux and macrophage function in disease pathogenesis. Trends in Endocrinology and Metabolism, 2014, 25, 107-114.	7.1	42
24	Impaired monocyte cholesterol clearance initiates age-related retinal degeneration and vision loss. JCI Insight, 2018, 3, .	5.0	42
25	HSV-1 and Zika Virus but Not SARS-CoV-2 Replicate in the Human Cornea and Are Restricted by Corneal Type III Interferon. Cell Reports, 2020, 33, 108339.	6.4	41
26	Macrophage Plasticity and Function in the Eye and Heart. Trends in Immunology, 2019, 40, 825-841.	6.8	38
27	Regulation of Angiogenesis by Macrophages. Advances in Experimental Medicine and Biology, 2010, 664, 15-19.	1.6	33
28	NAD⁺-dependent deacetylase SIRT3 in adipocytes is dispensable for maintaining normal adipose tissue mitochondrial function and whole body metabolism. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E520-E530.	3.5	33
29	Full thickness macular hole case after intravitreal aflibercept treatment. BMC Ophthalmology, 2015, 15, 30.	1.4	32
30	Seeing through thick and through thin: Retinal manifestations of thrombophilic and hyperviscosity syndromes. Survey of Ophthalmology, 2016, 61, 236-247.	4.0	27
31	NAD+ and sirtuins in retinal degenerative diseases: A look at future therapies. Progress in Retinal and Eye Research, 2018, 67, 118-129.	15.5	24
32	Oxysterol Signatures Distinguish Age-Related Macular Degeneration from Physiologic Aging. EBioMedicine, 2018, 32, 9-20.	6.1	23
33	Combined SIRT3 and SIRT5 deletion is associated with inner retinal dysfunction in a mouse model of type 1 diabetes. Scientific Reports, 2019, 9, 3799.	3.3	23
34	Plasma lipoprotein subfraction concentrations are associated with lipid metabolism and age-related macular degeneration. Journal of Lipid Research, 2017, 58, 1785-1796.	4.2	22
35	Targeting Tissue Lipids in Age-related Macular Degeneration. EBioMedicine, 2016, 5, 26-27.	6.1	19
36	Inflammation-Induced Photoreceptor Cell Death. Advances in Experimental Medicine and Biology, 2018, 1074, 203-208.	1.6	18

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37	Retinal pigment epithelial tear after intravitreal ranibizumab for subfoveal CNV secondary to AMD. International Ophthalmology, 2007, 27, 59-61.	1.4	15
38	What Is Chronic or Persistent Diabetic Macular Edema and How Should It Be Treated?. JAMA Ophthalmology, 2016, 134, 285.	2.5	12
39	WNT7A/B promote choroidal neovascularization. Experimental Eye Research, 2018, 174, 107-112.	2.6	12
40	Role of Sirtuins in Retinal Function Under Basal Conditions. Advances in Experimental Medicine and Biology, 2018, 1074, 561-567.	1.6	10
41	MEKanisms of a Serous Complication. JAMA Ophthalmology, 2017, 135, 413.	2.5	9
42	Visualizing the Heterogeneity of Retinal Microglia. Immunity, 2019, 50, 544-546.	14.3	7
43	Optical Coherence Tomography Angiography: A Window into Central Nervous System Neurodegeneration. Trends in Molecular Medicine, 2020, 26, 892-895.	6.7	7
44	Visual Cycle Suppression via Patching in Central Serous Chorioretinopathy. Ophthalmology, 2014, 121, 2502-2504.e1.	5.2	6
45	Loss of Mir146b with aging contributes to inflammation and mitochondrial dysfunction in thioglycollate-elicited peritoneal macrophages. ELife, 2021, 10, .	6.0	6
46	An assay for macrophage-mediated regulation of endothelial cell proliferation. Immunobiology, 2008, 213, 695-699.	1.9	4
47	Tyrosine Kinase Inhibitors in Age-Related Macular Degeneration. JAMA Ophthalmology, 2017, 135, 767.	2.5	3
48	Anti-VEGF Injections and Glaucoma Surgery. JAMA Ophthalmology, 2017, 135, 368.	2.5	3
49	Hydroxychloroquine-induced retinal toxicity in systemic lupus erythematosus. Indian Journal of Ophthalmology, 2018, 66, 1861.	1.1	3
50	Preoperative electrophysiological characterization of patients with primary macula-involving rhegmatogenous retinal detachment. Journal of Ophthalmic and Vision Research, 2018, 13, 241.	1.0	3
51	Dexamethasone implant improves anatomic response to anti-VEGF therapy in treatment-resistant polypoidal choroidal vasculopathy. International Ophthalmology, 2022, 42, 1263-1272.	1.4	3
52	Combined epiretinal and internal limiting membrane peeling facilitated by high dilution indocyanine green negative staining. Journal of Ophthalmic and Vision Research, 2015, 10, 495.	1.0	2
53	NAD+ boosting brings tears to aging eyes. Nature Aging, 2022, 2, 97-99.	11.6	2
54	EML1 is essential for retinal photoreceptor migration and survival. Scientific Reports, 2022, 12, 2897.	3.3	2

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55	AN OBSERVATIONAL RETROSPECTIVE SUBGROUP ANALYSIS OF VERTEPORFIN PHOTODYNAMIC THERAPYâ€“NAIVE AND PREVIOUSLY TREATED PATIENTS IN THE FOCUS TRIAL. Retina, 2011, 31, 56-64.	1.7	1
56	Regression of iris neovascularisation secondary to diabetic retinopathy with subconjunctival anti-VEGF therapy. Lancet Diabetes and Endocrinology,the, 2014, 2, 182.	11.4	1
57	Antiâ€“Vascular Endothelial Growth Factor Therapy in Diabetic Macular Edema. JAMA Ophthalmology, 2018, 136, 269.	2.5	1
58	Subconjunctival bevacizumab for iris neovascularisation â€“ Authors' reply. Lancet Diabetes and Endocrinology,the, 2014, 2, 450-451.	11.4	0
59	No Bad Blood. Ophthalmology Retina, 2018, 2, 1082-1083.	2.4	0
60	Sourcing Photoreceptor-like Cells for Treating Vision Loss. New England Journal of Medicine, 2020, 383, 1888-1890.	27.0	0
61	Longitudinal Growth Differentiation Factor 15 (GDF15) and Long-term Intraocular Pressure Fluctuation in Glaucoma: A Pilot Study. Journal of Ophthalmic and Vision Research, 2021, 16, 21-27.	1.0	0
62	Serum Cholesterol Efflux Capacity in Age-related Macular Degeneration and Polypoidal Choroidal Vasculopathy. Ophthalmology Science, 2022, , 100142.	2.5	0