Jayakrishna Ambati

List of Publications by Citations

43 papers	6,403 citations	24 h-index	51 g-index
51 ext. papers	7,401 ext. citations	22.1 avg, IF	5.76 L-index

#	Paper	IF	Citations
43	Sequence- and target-independent angiogenesis suppression by siRNA via TLR3. *Nature*, **2008**, 452, 591-7	50.4	769
42	Age-related macular degeneration: etiology, pathogenesis, and therapeutic strategies. *Survey of Ophthalmology*, **2003**, 48, 257-93	6.1	757
41	Mechanisms of age-related macular degeneration. *Neuron*, **2012**, 75, 26-39	13.9	556
40	An animal model of age-related macular degeneration in senescent Ccl-2- or Ccr-2-deficient mice. *Nature Medicine*, **2003**, 9, 1390-7	50.5	545
39	DICER1 deficit induces Alu RNA toxicity in age-related macular degeneration. *Nature*, **2011**, 471, 325-30	50.4	482
38	DICER1 loss and Alu RNA induce age-related macular degeneration via the NLRP3 inflammasome and MyD88. *Cell*, **2012**, 149, 847-59	56.2	432
37	Macrophage depletion inhibits experimental choroidal neovascularization. *Investigative Ophthalmology and Visual Science*, **2003**, 44, 3578-85		392
36	Immunology of age-related macular degeneration. *Nature Reviews Immunology*, **2013**, 13, 438-51	36.5	385
35	L1 drives IFN in senescent cells and promotes age-associated inflammation. *Nature*, **2019**, 566, 73-78	50.4	364
34	Outcomes of Hydroxychloroquine Usage in United States Veterans Hospitalized with COVID-19. *Med*, **2020**, 1, 114-127.e3	31.7	315
33	CCR3 is a target for age-related macular degeneration diagnosis and therapy. *Nature*, **2009**, 460, 225-30	50.4	199
32	Nucleoside reverse transcriptase inhibitors possess intrinsic anti-inflammatory activity. *Science*, **2014**, 346, 1000-3	33.3	150
31	cGAS drives noncanonical-inflammasome activation in age-related macular degeneration. *Nature Medicine*, **2018**, 24, 50-61	50.5	134
30	Outcomes of hydroxychloroquine usage in United States veterans hospitalized with Covid-19 **2020**,		122
29	TLR-independent and P2X7-dependent signaling mediate Alu RNA-induced NLRP3 inflammasome activation in geographic atrophy **2013**, 54, 7395-401		114
28	Transscleral drug delivery to the retina and choroid. *Progress in Retinal and Eye Research*, **2002**, 21, 145-51	10.5	90
27	Short-interfering RNAs induce retinal degeneration via TLR3 and IRF3. *Molecular Therapy*, **2012**, 20, 101-8	11.7	72

26	ERK1/2 activation is a therapeutic target in age-related macular degeneration. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 13781-6	11.5	72
25	DICER1/Alu RNA dysmetabolism induces Caspase-8-mediated cell death in age-related macular degeneration. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 16082-7	11.5	67
24	Iron Toxicity in the Retina Requires Alu RNA and the NLRP3 Inflammasome. *Cell Reports*, **2015**, 11, 1686-93	23.6	54
23	Pharmacology of Corticosteroids for Diabetic Macular Edema **2018**, 59, 1-12		51
22	A Revised Hemodynamic Theory of Age-Related Macular Degeneration. *Trends in Molecular Medicine*, **2016**, 22, 656-670	11.5	34
21	IL-18 is not therapeutic for neovascular age-related macular degeneration. *Nature Medicine*, **2014**, 20, 1372-5	50.5	31
20	Nucleoside Reverse Transcriptase Inhibitors Suppress Laser-Induced Choroidal Neovascularization in Mice **2015**, 56, 7122-9		25
19	Human IgG1 antibodies suppress angiogenesis in a target-independent manner. *Signal Transduction and Targeted Therapy*, **2016**, 1,	21	21
18	Chronic Dicer1 deficiency promotes atrophic and neovascular outer retinal pathologies in mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 2579-2587	11.5	20
17	Zidovudine ameliorates pathology in the mouse model of Duchenne muscular dystrophy via P2RX7 purinoceptor antagonism. *Acta Neuropathologica Communications*, **2018**, 6, 27	7.3	20
16	Powerful anti-tumor and anti-angiogenic activity of a new anti-vascular endothelial growth factor receptor 1 peptide in colorectal cancer models. *Oncotarget*, **2015**, 6, 10563-76	3.3	20
15	Age-related macular degeneration and the other double helix. The Cogan Lecture **2011**, 52, 2165-9		18
14	Intravenous immune globulin suppresses angiogenesis in mice and humans. *Signal Transduction and Targeted Therapy*, **2016**, 1,	21	17
13	Repurposing anti-inflammasome NRTIs for improving insulin sensitivity and reducing type 2 diabetes development. *Nature Communications*, **2020**, 11, 4737	17.4	15
12	Cytoplasmic synthesis of endogenous complementary DNA via reverse transcription and implications in age-related macular degeneration. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	13
11	RF/6A Chorioretinal Cells Do Not Display Key Endothelial Phenotypes **2018**, 59, 5795-5802		13
10	DDX17 is an essential mediator of sterile NLRC4 inflammasome activation by retrotransposon RNAs. *Science Immunology*, **2021**, 6, eabi4493	28	5
9	complementary DNA is enriched in atrophic macular degeneration and triggers retinal pigmented epithelium toxicity via cytosolic innate immunity. *Science Advances*, **2021**, 7, eabj3658	14.3	5

8	A Clinical Metabolite of Azidothymidine Inhibits Experimental Choroidal Neovascularization and Retinal Pigmented Epithelium Degeneration **2020**, 61, 4		4
7	A non-canonical, interferon-independent signaling activity of cGAMP triggers DNA damage response signaling. *Nature Communications*, **2021**, 12, 6207	17.4	3
6	Nucleoside reverse transcriptase inhibitors and Kamuvudines inhibit amyloid-induced retinal pigmented epithelium degeneration. *Signal Transduction and Targeted Therapy*, **2021**, 6, 149	21	3
5	Start codon disruption with CRISPR/Cas9 prevents murine Fuchs' endothelial corneal dystrophy. *ELife*, **2021**, 10,	8.9	3
4	Expert opinion on the management and follow-up of uveitis patients during SARS-CoV-2 outbreak. *Expert Review of Clinical Immunology*, **2020**, 16, 651-657	5.1	2
3	The Learning Curve of Murine Subretinal Injection Among Clinically Trained Ophthalmic Surgeons.. *Translational Vision Science and Technology*, **2022**, 11, 13	3.3	0
2	The Foundation of the American Society of Retina Specialists Presidents Young Investigator Award Lecture: Solving AMD: Moving Forward by Stepping Back. *Journal of Vitreoretinal Diseases*, **2017**, 1, 24-26	0.7	
1	Reply to Mouse models of visual deficits *Nature Medicine*, **2004**, 10, 663-663	50.5	