Jayakrishna Ambati

List of Publications by Year
in descending order

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46 papers	8,246 citations	257450 24 h-index	315739 38 g-index
51 all docs	51 docs citations	51 times ranked	10133 citing authors

#	Article	IF	Citations
1	Sequence- and target-independent angiogenesis suppression by siRNA via TLR3. Nature, 2008, 452, 591-597.	27.8	868
2	Age-Related Macular Degeneration: Etiology, Pathogenesis, and Therapeutic Strategies. Survey of Ophthalmology, 2003, 48, 257-293.	4.0	863
3	Mechanisms of Age-Related Macular Degeneration. Neuron, 2012, 75, 26-39.	8.1	756
4	L1 drives IFN in senescent cells and promotes age-associated inflammation. Nature, 2019, 566, 73-78.	27.8	701
5	An animal model of age-related macular degeneration in senescent Ccl-2- or Ccr-2-deficient mice. Nature Medicine, 2003, 9, 1390-1397.	30.7	594
6	DICER1 deficit induces Alu RNA toxicity in age-related macular degeneration. Nature, 2011, 471, 325-330.	27.8	573
7	DICER1 Loss and Alu RNA Induce Age-Related Macular Degeneration via the NLRP3 Inflammasome and MyD88. Cell, 2012, 149, 847-859.	28.9	526
8	Immunology of age-related macular degeneration. Nature Reviews Immunology, 2013, 13, 438-451.	22.7	515
9	Macrophage Depletion Inhibits Experimental Choroidal Neovascularization. , 2003, 44, 3578.		449
10	Outcomes of Hydroxychloroquine Usage in United States Veterans Hospitalized with COVID-19. Med, 2020, 1, 114-127.e3.	4.4	411
11	CCR3 is a target for age-related macular degeneration diagnosis and therapy. Nature, 2009, 460, 225-230.	27.8	236
12	cGAS drives noncanonical-inflammasome activation in age-related macular degeneration. Nature Medicine, 2018, 24, 50-61.	30.7	205
13	Nucleoside reverse transcriptase inhibitors possess intrinsic anti-inflammatory activity. Science, 2014, 346, 1000-1003.	12.6	189
14	TLR-Independent and P2X7-Dependent Signaling MediateAluRNA-Induced NLRP3 Inflammasome Activation in Geographic Atrophy. , 2013, 54, 7395.		138
15	Transscleral drug delivery to the retina and choroid. Progress in Retinal and Eye Research, 2002, 21, 145-151.	15.5	109
16	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, 13781-13786.	7.1	98
17	Pharmacology of Corticosteroids for Diabetic Macular Edema. , 2018, 59, 1.		90
18	Short-interfering RNAs Induce Retinal Degeneration via TLR3 and IRF3. Molecular Therapy, 2012, 20, 101-108.	8.2	86

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19	DICER1/ Alu RNA dysmetabolism induces Caspase-8â€“mediated cell death in age-related macular degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16082-16087.	7.1	79
20	Iron Toxicity in the Retina Requires Alu RNA and the NLRP3 Inflammasome. Cell Reports, 2015, 11, 1686-1693.	6.4	78
21	A Revised Hemodynamic Theory of Age-Related Macular Degeneration. Trends in Molecular Medicine, 2016, 22, 656-670.	6.7	45
22	IL-18 is not therapeutic for neovascular age-related macular degeneration. Nature Medicine, 2014, 20, 1372-1375.	30.7	37
23	Cytoplasmic synthesis of endogenous Alu 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, .	7.1	36
24	Nucleoside Reverse Transcriptase Inhibitors Suppress Laser-Induced Choroidal Neovascularization in Mice. , 2015, 56, 7122.		32
25	Repurposing anti-inflammasome NRTIs for improving insulin sensitivity and reducing type 2 diabetes development. Nature Communications, 2020, 11, 4737.	12.8	31
26	Human IgG1 antibodies suppress angiogenesis in a target-independent manner. Signal Transduction and Targeted Therapy, 2016, 1, .	17.1	30
27	Zidovudine ameliorates pathology in the mouse model of Duchenne muscular dystrophy via P2RX7 purinoceptor antagonism. Acta Neuropathologica Communications, 2018, 6, 27.	5.2	30
28	A non-canonical, interferon-independent signaling activity of cGAMP triggers DNA damage response signaling. Nature Communications, 2021, 12, 6207.	12.8	30
29	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.	7.1	28
30	Age-Related Macular Degeneration and the Other Double Helix The Cogan Lecture. , 2011, 52, 2166.		25
31	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, 10563-10576.	1.8	24
32	DDX17 is an essential mediator of sterile NLRC4 inflammasome activation by retrotransposon RNAs. Science Immunology, 2021, 6, eabi4493.	11.9	24
33	Intravenous immune globulin suppresses angiogenesis in mice and humans. Signal Transduction and Targeted Therapy, 2016, 1, .	17.1	23
34	Alu complementary DNA is enriched in atrophic macular degeneration and triggers retinal pigmented epithelium toxicity via cytosolic innate immunity. Science Advances, 2021, 7, eabj3658.	10.3	23
35	RF/6A Chorioretinal Cells Do Not Display Key Endothelial Phenotypes. , 2018, 59, 5795.		18
36	Nucleoside reverse transcriptase inhibitors and Kamuvudines inhibit amyloid-Î² induced retinal pigmented epithelium degeneration. Signal Transduction and Targeted Therapy, 2021, 6, 149.	17.1	16

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37	Start codon disruption with CRISPR/Cas9 prevents murine Fuchsâ€™ endothelial corneal dystrophy. ELife, 2021, 10, .	6.0	15
38	Compartmentalized citrullination in Muller glial endfeet during retinal degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	11
39	A Clinical Metabolite of Azidothymidine Inhibits Experimental Choroidal Neovascularization and Retinal Pigmented Epithelium Degeneration. , 2020, 61, 4.		10
40	Macular Hemorrhage Due to Age-Related Macular Degeneration or Retinal Arterial Macroaneurysm: Predictive Factors of Surgical Outcome. Journal of Clinical Medicine, 2021, 10, 5787.	2.4	6
41	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.	3.0	3
42	The Learning Curve of Murine Subretinal Injection Among Clinically Trained Ophthalmic Surgeons. Translational Vision Science and Technology, 2022, 11, 13.	2.2	3
43	NLRP3 Inflammasome Inhibition. JACC Basic To Translational Science, 2020, 5, 1225-1227.	4.1	1
44	Subretinal injection in mice to study retinal physiology and disease. Nature Protocols, 2022, 17, 1468-1485.	12.0	1
45	Reply to â€œMouse models of visual deficitsâ€. Nature Medicine, 2004, 10, 663-663.	30.7	0
46	The Foundation of the American Society of Retina Specialists Presidentsâ€™ Young Investigator Award Lecture. Journal of Vitreoretinal Diseases, 2017, 1, 24-26.	0.7	0