Camasamudram Vijayasarathy

List of Publications by Year
in descending order

37	1,199	567281 15	477307 29
papers	citations	h-index	g-index

37	37	37	1419
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Of men and mice: Human X-linked retinoschisis and fidelity in mouse modeling. Progress in Retinal and Eye Research, 2022, 87, 100999.	15.5	12
2	Rs1hâ^'/y exon 3-del rat model of X-linked retinoschisis with early onset and rapid phenotype is rescued by RS1 supplementation. Gene Therapy, 2022, 29, 431-440.	4.5	8
3	Genetic Rescue of X-Linked Retinoschisis Mouse (Rs1^{â^'/y}) Retina Induces Quiescence of the Retinal Microglial Inflammatory State Following AAV8-RS1 Gene Transfer and Identifies Gene Networks Underlying Retinal Recovery. Human Gene Therapy, 2021, 32, 667-681.	2.7	21
4	Immune function in X-linked retinoschisis subjects in an AAV8-RS1 phase I/IIa gene therapy trial. Molecular Therapy, 2021, 29, 2030-2040.	8.2	17
5	Trans-Ocular Electric Current In Vivo Enhances AAV-Mediated Retinal Transduction in Large Animal Eye After Intravitreal Vector Administration. Translational Vision Science and Technology, 2020, 9, 28.	2.2	4
6	Hunting for the Adhesion Molecule, Retinoschisin, in Retina using CEMOVIS. Microscopy and Microanalysis, 2019, 25, 1308-1309.	0.4	1
7	Cryo-EM of retinoschisin branched networks suggests an intercellular adhesive scaffold in the retina. Journal of Cell Biology, 2019, 218, 1027-1038.	5.2	17
8	Retinal AAV8-RS1 Gene Therapy for X-Linked Retinoschisis: Initial Findings from a Phase I/IIa Trial by Intravitreal Delivery. Molecular Therapy, 2018, 26, 2282-2294.	8.2	173
9	Galactose Induces Formation of Chains of the Retinal Adhesion Protein, Retinoschisin. Microscopy and Microanalysis, 2017, 23, 1112-1113.	0.4	0
10	Rearing Light Intensity Affects Inner Retinal Pathology in a Mouse Model of X-Linked Retinoschisis but Does Not Alter Gene Therapy Outcome. , 2017, 58, 1656.		5
11	Retinal Structure and Gene Therapy Outcome in Retinoschisin-Deficient Mice Assessed by Spectral-Domain Optical Coherence Tomography. , 2016, 57, OCT277.		32
12	NADPH Oxidase Contributes to Photoreceptor Degeneration in Constitutively Active RAC1 Mice. , 2016, 57, 2864.		19
13	Ocular and systemic safety of a recombinant AAV8 vector for X-linked retinoschisis gene therapy: GLP studies in rabbits and Rs1-KO mice. Molecular Therapy - Methods and Clinical Development, 2016, 3, 16011.	4.1	29
14	Preclinical Dose-Escalation Study of Intravitreal AAV-RS1 Gene Therapy in a Mouse Model of X-linked Retinoschisis: Dose-Dependent Expression and Improved Retinal Structure and Function. Human Gene Therapy, 2016, 27, 376-389.	2.7	60
15	Paired octamer rings of retinoschisin suggest a junctional model for cellâ€"cell adhesion in the retina. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5287-5292.	7.1	49
16	Resveratrol attenuates CXCL11 expression induced by proinflammatory cytokines in retinal pigment epithelial cells. Cytokine, 2015, 74, 335-338.	3.2	16
17	Synaptic pathology and therapeutic repair in adult retinoschisis mouse by AAV-RS1 transfer. Journal of Clinical Investigation, 2015, 125, 2891-2903.	8.2	84
18	Preclinical Safety Evaluation of a Recombinant AAV8 Vector for X-Linked Retinoschisis After Intravitreal Administration in Rabbits. Human Gene Therapy Clinical Development, 2014, 25, 202-211.	3.1	28

#	Article	IF	Citations
19	Fenretinide Induces Ubiquitinâ€Dependent Proteasomal Degradation of Stearoylâ€CoA Desaturase in Human Retinal Pigment Epithelial Cells. Journal of Cellular Physiology, 2014, 229, 1028-1038.	4.1	13
20	Transgenic Expression of Constitutively Active RAC1 Disrupts Mouse Rod Morphogenesis. , 2014, 55, 2659.		17
21	Photoreceptor Pathology in the X-Linked Retinoschisis (XLRS) Mouse Results in Delayed Rod Maturation and Impaired Light Driven Transducin Translocation. Advances in Experimental Medicine and Biology, 2014, 801, 559-566.	1.6	2
22	Differential regulation of microRNA-146a and microRNA-146b-5p in human retinal pigment epithelial cells by interleukin-1Î², tumor necrosis factor-Î±, and interferon-Î³. Molecular Vision, 2013, 19, 737-50.	1.1	73
23	Loss of Retinoschisin (RS1) Cell Surface Protein in Maturing Mouse Rod Photoreceptors Elevates the Luminance Threshold for Light-Driven Translocation of Transducin But Not Arrestin. Journal of Neuroscience, 2012, 32, 13010-13021.	3.6	15
24	Biology of Retinoschisin. Advances in Experimental Medicine and Biology, 2012, 723, 513-518.	1.6	15
25	Molecular Mechanisms Leading to Null-Protein Product from Retinoschisin (RS1) Signal-Sequence Mutants in X-Linked Retinoschisis (XLRS) Disease. Human Mutation, 2010, 31, 1251-1260.	2.5	44
26	Decreased expression of insulinâ€like growth factor binding proteinâ€5 during Nâ€(4â€hydroxyphenyl)retinamideâ€induced neuronal differentiation of ARPEâ€19 human retinal pigment epithelial cells: Regulation by CCAAT/enhancerâ€binding protein. Journal of Cellular Physiology, 2010, 224, 827-836.	4.1	10
27	Retinoschisin (RS1) Interacts with Negatively Charged Lipid Bilayers in the Presence of Ca²⁺: An Atomic Force Microscopy Study. Biochemistry, 2010, 49, 7023-7032.	2.5	19
28	Inflammatory cytokines regulate microRNA-155 expression in human retinal pigment epithelial cells by activating JAK/STAT pathway. Biochemical and Biophysical Research Communications, 2010, 402, 390-395.	2.1	106
29	Long-term 12 year follow-up of X-linked congenital retinoschisis. Ophthalmic Genetics, 2010, 31, 114-125.	1.2	37
30	Null Retinoschisin-Protein Expression from anRS1c354del1-ins18 Mutation Causing Progressive and Severe XLRS in a Cross-Sectional Family Study. , 2009, 50, 5375.		14
31	Depleting Rac1 in mouse rod photoreceptors protects them from photo-oxidative stress without affecting their structure or function. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9397-9402.	7.1	54
32	Mitogenâ€activated protein kinase pathway mediates Nâ€(4â€hydroxyphenyl)retinamideâ€induced neuronal differentiation in the ARPEâ€19 human retinal pigment epithelial cell line. Journal of Neurochemistry, 2008, 106, 591-602.	3.9	14
33	Synaptic Pathology in Retinoschisis Knockout (Rs1^{â^'/y}) Mouse Retina and Modification by rAAV-Rs1Gene Delivery. , 2008, 49, 3677.		81
34	Organization and Molecular Interactions of Retinoschisin in Photoreceptors. Advances in Experimental Medicine and Biology, 2008, 613, 291-297.	1.6	7
35	Retinoschisin Is a Peripheral Membrane Protein with Affinity for Anionic Phospholipids and Affected by Divalent Cations. , 2007, 48, 991.		52
36	Identification and characterization of two mature isoforms of retinoschisin in murine retina. Biochemical and Biophysical Research Communications, 2006, 349, 99-105.	2.1	11

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37	N-(4-hydroxyphenyl)retinamide induces apoptosis in human retinal pigment epithelial cells: Retinoic acid receptors regulate apoptosis, reactive oxygen species generation, and the expression of heme oxygenase-1 and Gadd153. Journal of Cellular Physiology, 2006, 209, 854-865.	4.1	40