# 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 | 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 |
| 2 | 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 |
| 3 | Synaptic pathology and therapeutic repair in adult retinoschisis mouse by AAV-RS1 transfer. Journal of Clinical Investigation, 2015, 125, 2891-2903. | 8.2 | 84 |
| 4 | Synaptic Pathology in Retinoschisis Knockout (Rs1<sup>â^'/y</sup>) Mouse Retina and Modification by rAAV-Rs1Gene Delivery. , 2008, 49, 3677. | | 81 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | Retinoschisin Is a Peripheral Membrane Protein with Affinity for Anionic Phospholipids and Affected by Divalent Cations. , 2007, 48, 991. | | 52 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | Long-term 12 year follow-up of X-linked congenital retinoschisis. Ophthalmic Genetics, 2010, 31, 114-125. | 1.2 | 37 |
| 13 | Retinal Structure and Gene Therapy Outcome in Retinoschisin-Deficient Mice Assessed by Spectral-Domain Optical Coherence Tomography. , 2016, 57, OCT277. | | 32 |
| 14 | 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 |
| 15 | 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 |
| 16 | Genetic Rescue of X-Linked Retinoschisis Mouse (Rs1<sup>â^'/y</sup>) 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 |
| 17 | Retinoschisin (RS1) Interacts with Negatively Charged Lipid Bilayers in the Presence of Ca<sup>2+</sup>: An Atomic Force Microscopy Study. Biochemistry, 2010, 49, 7023-7032. | 2.5 | 19 |
| 18 | NADPH Oxidase Contributes to Photoreceptor Degeneration in Constitutively Active RAC1 Mice. , 2016, 57, 2864. | | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Transgenic Expression of Constitutively Active RAC1 Disrupts Mouse Rod Morphogenesis. , 2014, 55, 2659. | | 17 |
| 20 | 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 |
| 21 | 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 |
| 22 | Resveratrol attenuates CXCL11 expression induced by proinflammatory cytokines in retinal pigment epithelial cells. Cytokine, 2015, 74, 335-338. | 3.2 | 16 |
| 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 | 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 |
| 26 | Null Retinoschisin-Protein Expression from anRS1c354del1-ins18 Mutation Causing Progressive and Severe XLRS in a Cross-Sectional Family Study. , 2009, 50, 5375. | | 14 |
| 27 | 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 |
| 28 | 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 |
| 29 | Identification and characterization of two mature isoforms of retinoschisin in murine retina. Biochemical and Biophysical Research Communications, 2006, 349, 99-105. | 2.1 | 11 |
| 30 | 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 |
| 31 | 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 |
| 32 | Organization and Molecular Interactions of Retinoschisin in Photoreceptors. Advances in Experimental Medicine and Biology, 2008, 613, 291-297. | 1.6 | 7 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | Hunting for the Adhesion Molecule, Retinoschisin, in Retina using CEMOVIS. Microscopy and Microanalysis, 2019, 25, 1308-1309. | 0.4 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Galactose Induces Formation of Chains of the Retinal Adhesion Protein, Retinoschisin. Microscopy and Microanalysis, 2017, 23, 1112-1113. | 0.4 | 0 |