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Publications

PUBLICATIONS

- **Matrine Reduces Intraocular Pressure in Corticosteroid-Induced Ocular Hypertensive Mouse Eyes.** *Investigative ophthalmology & visual science*
Zhang, Q., Liu, Z., Chen, S., Wang, Q., Lo, C. H., Ning, K., Zhao, J., Shen, Y., Liton, P. B., Sun, Y.
2025; 66 (11): 18
- **Matrine Reduces Intraocular Pressure in Corticosteroid-induced Ocular Hypertensive Mouse Eyes**
Shen, Y., Zhang, Q., Liu, Z., Chen, S., Wang, Q., Lo, C., Ning, K., Zhao, J., Liton, P. B., Sun, Y.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Gene therapy for ocular hypertension using hfCas13d-mediated mRNA targeting.** *PNAS nexus*
Chen, S., Liu, Z., Lo, C. H., Wang, Q., Ning, K., Zhang, Q., Zhao, J., Shen, Y., Sun, Y.
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- **Increased oxidative stress and inflammation in human and experimental optic nerve stroke**
Ahmed, T., Liu, L., Wang, Q., Wu, H., Liao, Y.
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- **Effect of Brimonidine on Retinal Ganglion Cell Function by in vivo Calcium Imaging of Optic Nerve Crush in Mice.** *Experimental eye research*
Li, T., Kowal, T. J., Zhao, J., Li, L., Wang, Q., Ning, K., Lo, C. H., Liu, Z., Shen, Y., Yu, J., Jin, H., Sun, Y.
2025: 110355
- **dCasMINI-mediated therapy rescues photoreceptors degeneration in a mouse model of retinitis pigmentosa.** *Science advances*
Wang, Q., Xu, X., Chen, S., Lu, R., Li, L., Lo, C. H., Liu, Z., Ning, K., Li, T., Kowal, T. J., Wang, B., Hartnett, M. E., Wang, et al
2024; 10 (51): eadn7540
- **All-in-one AAV-mediated Nrl gene inactivation rescues retinal degeneration in Pde6a mice.** *JCI insight*
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2024
- **Defective Neurogenesis in Lowe Syndrome is Caused by Mitochondria Loss and Cilia-related Sonic Hedgehog Defects.** *bioRxiv : the preprint server for biology*
Lo, C. H., Chen, S., Zhao, J., Liu, Z., Wang, B., Wang, Q., Kowal, T. J., Sun, Y.
2024
- **Efficient Rescue of Retinal Degeneration in Pde6a Mice by Engineered Base Editing and Prime Editing.** *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*
Liu, Z., Chen, S., Davis, A. E., Lo, C. H., Wang, Q., Li, T., Ning, K., Zhang, Q., Zhao, J., Wang, S., Sun, Y.
2024: e2405628
- **Efficient prevention of retinal degeneration in <i>Pde6a</i> mice by all-in-one AAV-mediated <i>Nrl</i> gene editing**
Liu, Z., Chen, S., Lo, C., Wang, Q., Sun, Y.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024