# Leah C Byrne

List of Publications by Year
in descending order



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|---|---|---|---|
| 23 papers | 1,397 citations | 840776 11 h-index | 839539 18 g-index |
| 26 all docs | 26 docs citations | 26 times ranked | 2255 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | In Vivoâ€“Directed Evolution of a New Adeno-Associated Virus for Therapeutic Outer Retinal Gene Delivery from the Vitreous. Science Translational Medicine, 2013, 5, 189ra76. | 12.4 | 554 |
| 2 | Rod-Derived Cone Viability Factor Promotes Cone Survival by Stimulating Aerobic Glycolysis. Cell, 2015, 161, 817-832. | 28.9 | 320 |
| 3 | In vivo genome editing improves motor function and extends survival in a mouse model of ALS. Science Advances, 2017, 3, eaar3952. | 10.3 | 127 |
| 4 | Massively parallel cis-regulatory analysis in the mammalian central nervous system. Genome Research, 2016, 26, 238-255. | 5.5 | 106 |
| 5 | In vivoâ€“directed evolution of adeno-associated virus in the primate retina. JCI Insight, 2020, 5, . | 5.0 | 71 |
| 6 | AAV-Mediated, Optogenetic Ablation of MÃ¼ller Glia Leads to Structural and Functional Changes in the Mouse Retina. PLoS ONE, 2013, 8, e76075. | 2.5 | 56 |
| 7 | scAAVengr, a transcriptome-based pipeline for quantitative ranking of engineered AAVs with single-cell resolution. ELife, 2021, 10, . | 6.0 | 33 |
| 8 | The Expression Pattern of Systemically Injected AAV9 in the Developing Mouse Retina Is Determined by Age. Molecular Therapy, 2015, 23, 290-296. | 8.2 | 31 |
| 9 | Transcriptional and anatomical diversity of medium spiny neurons in the primate striatum. Current Biology, 2021, 31, 5473-5486.e6. | 3.9 | 27 |
| 10 | Parallel functional testing identifies enhancers active in early postnatal mouse brain. ELife, 2021, 10, . | 6.0 | 19 |
| 11 | Targeting ON-bipolar cells by AAV gene therapy stably reverses LRIT3 -congenital stationary night blindness. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117038119. | 7.1 | 14 |
| 12 | Pharmacological clearance of misfolded rhodopsin for the treatment of RHO â€associated retinitis pigmentosa. FASEB Journal, 2020, 34, 10146-10167. | 0.5 | 10 |
| 13 | Machine learning sequence prioritization for cell type-specific enhancer design. ELife, 2022, 11, . | 6.0 | 10 |
| 14 | Screening for Neutralizing Antibodies Against Natural and Engineered AAV Capsids in Nonhuman Primate Retinas. Methods in Molecular Biology, 2018, 1715, 239-249. | 0.9 | 9 |
| 15 | Quantitative single-cell transcriptome-based ranking of engineered AAVs in human retinal explants. Molecular Therapy - Methods and Clinical Development, 2022, 25, 476-489. | 4.1 | 5 |
| 16 | Whatâ€™s old is new again: Autologous stem cell transplant for AMD. Science Translational Medicine, 2017, 9, . | 12.4 | 3 |
| 17 | Anti-VEGF AAV2 injections: The fewer the better. Science Translational Medicine, 2017, 9, . | 12.4 | 1 |
| 18 | Check twice, cut onceâ€”Improved CRISPR-Cas9 genome editing accuracy. Science Translational Medicine, 2017, 9, . | 12.4 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Rounding up sickle cells with gene therapy. Science Translational Medicine, 2017, 9, . | 12.4 | 0 |
| 20 | Tailor-made T cells for cancer therapy. Science Translational Medicine, 2017, 9, . | 12.4 | 0 |
| 21 | Rewriting the genome in human embryos. Science Translational Medicine, 2017, 9, . | 12.4 | 0 |
| 22 | New skin in the game. Science Translational Medicine, 2017, 9, . | 12.4 | 0 |
| 23 | Factoring in new gene therapy treatments for hemophilia A. Science Translational Medicine, 2018, 10, . | 12.4 | 0 |