Leah C Byrne

List of Publications by Year
in descending order

23 papers	1,397 citations	840728 11 h-index	839512 18 g-index
26 all docs	26 docs citations	26 times ranked	2255 citing authors

#	Article	IF	Citations
1	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
2	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
3	Machine learning sequence prioritization for cell type-specific enhancer design. ELife, 2022, 11, .	6.0	10
4	scAAVengr, a transcriptome-based pipeline for quantitative ranking of engineered AAVs with single-cell resolution. ELife, 2021, 10, .	6.0	33
5	Parallel functional testing identifies enhancers active in early postnatal mouse brain. ELife, 2021, 10, .	6.0	19
6	Transcriptional and anatomical diversity of medium spiny neurons in the primate striatum. Current Biology, 2021, 31, 5473-5486.e6.	3.9	27
7	Pharmacological clearance of misfolded rhodopsin for the treatment of RHO â€associated retinitis pigmentosa. FASEB Journal, 2020, 34, 10146-10167.	0.5	10
8	In vivoâ€“directed evolution of adeno-associated virus in the primate retina. JCI Insight, 2020, 5, .	5.0	71
9	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
10	Factoring in new gene therapy treatments for hemophilia A. Science Translational Medicine, 2018, 10, .	12.4	0
11	In vivo genome editing improves motor function and extends survival in a mouse model of ALS. Science Advances, 2017, 3, eaar3952.	10.3	127
12	Whatâ€™s old is new again: Autologous stem cell transplant for AMD. Science Translational Medicine, 2017, 9, .	12.4	3
13	Rounding up sickle cells with gene therapy. Science Translational Medicine, 2017, 9, .	12.4	0
14	Anti-VEGF AAV2 injections: The fewer the better. Science Translational Medicine, 2017, 9, .	12.4	1
15	Tailor-made T cells for cancer therapy. Science Translational Medicine, 2017, 9, .	12.4	0
16	Rewriting the genome in human embryos. Science Translational Medicine, 2017, 9, .	12.4	0
17	Check twice, cut onceâ€”Improved CRISPR-Cas9 genome editing accuracy. Science Translational Medicine, 2017, 9, .	12.4	1
18	New skin in the game. Science Translational Medicine, 2017, 9, .	12.4	0

#	Article	IF	Citations
19	Massively parallel cis-regulatory analysis in the mammalian central nervous system. Genome Research, 2016, 26, 238-255.	5.5	106
20	Rod-Derived Cone Viability Factor Promotes Cone Survival by Stimulating Aerobic Glycolysis. Cell, 2015, 161, 817-832.	28.9	320
21	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
22	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
23	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