

Leah C Byrne

List of Publications by Year in descending order

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Version: 2024-02-01

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	Targeting ON-bipolar cells by AAV gene therapy stably reverses <i>LRIT3</i> -congenital stationary night blindness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2117038119.	7.1	14
2	Quantitative single-cell transcriptome-based ranking of engineered AAVs in human retinal explants. <i>Molecular Therapy - Methods and Clinical Development</i> , 2022, 25, 476-489.	4.1	5
3	Machine learning sequence prioritization for cell type-specific enhancer design. <i>ELife</i> , 2022, 11, .	6.0	10
4	scAAVengr, a transcriptome-based pipeline for quantitative ranking of engineered AAVs with single-cell resolution. <i>ELife</i> , 2021, 10, .	6.0	33
5	Parallel functional testing identifies enhancers active in early postnatal mouse brain. <i>ELife</i> , 2021, 10, .	6.0	19
6	Transcriptional and anatomical diversity of medium spiny neurons in the primate striatum. <i>Current Biology</i> , 2021, 31, 5473-5486.e6.	3.9	27
7	Pharmacological clearance of misfolded rhodopsin for the treatment of <i>RHO</i> -associated retinitis pigmentosa. <i>FASEB Journal</i> , 2020, 34, 10146-10167.	0.5	10
8	In vivo "directed evolution of adeno-associated virus in the primate retina. <i>JCI Insight</i> , 2020, 5, .	5.0	71
9	Screening for Neutralizing Antibodies Against Natural and Engineered AAV Capsids in Nonhuman Primate Retinas. <i>Methods in Molecular Biology</i> , 2018, 1715, 239-249.	0.9	9
10	Factoring in new gene therapy treatments for hemophilia A. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	0
11	In vivo genome editing improves motor function and extends survival in a mouse model of ALS. <i>Science Advances</i> , 2017, 3, eaar3952.	10.3	127
12	What's old is new again: Autologous stem cell transplant for AMD. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	3
13	Rounding up sickle cells with gene therapy. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	0
14	Anti-VEGF AAV2 injections: The fewer the better. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	1
15	Tailor-made T cells for cancer therapy. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	0
16	Rewriting the genome in human embryos. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	0
17	Check twice, cut once" Improved CRISPR-Cas9 genome editing accuracy. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	1
18	New skin in the game. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	0

#	ARTICLE	IF	CITATIONS
19	Massively parallel <i>cis</i> -regulatory analysis in the mammalian central nervous system. <i>Genome Research</i> , 2016, 26, 238-255.	5.5	106
20	Rod-Derived Cone Viability Factor Promotes Cone Survival by Stimulating Aerobic Glycolysis. <i>Cell</i> , 2015, 161, 817-832.	28.9	320
21	The Expression Pattern of Systemically Injected AAV9 in the Developing Mouse Retina Is Determined by Age. <i>Molecular Therapy</i> , 2015, 23, 290-296.	8.2	31
22	In Vivo Directed Evolution of a New Adeno-Associated Virus for Therapeutic Outer Retinal Gene Delivery from the Vitreous. <i>Science Translational Medicine</i> , 2013, 5, 189ra76.	12.4	554
23	AAV-Mediated, Optogenetic Ablation of Müller Glia Leads to Structural and Functional Changes in the Mouse Retina. <i>PLoS ONE</i> , 2013, 8, e76075.	2.5	56