

# Benjamin E Deverman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5374461/publications.pdf>

Version: 2024-02-01

22  
papers

4,960  
citations

394421

19  
h-index

677142

22  
g-index

35  
all docs

35  
docs citations

35  
times ranked

7222  
citing authors

#	ARTICLE	IF	CITATIONS
1	A high-efficiency AAV for endothelial cell transduction throughout the central nervous system. , 2022, 1, 389-400.		24
2	COVID-19 CG enables SARS-CoV-2 mutation and lineage tracking by locations and dates of interest. ELife, 2021, 10, .	6.0	97
3	Use of high-content imaging to quantify transduction of AAV-PHP viruses in the brain following systemic delivery. Brain Communications, 2021, 3, fcab105.	3.3	7
4	Improved systemic AAV gene therapy with a neurotrophic capsid in Niemann-Pick disease type C1 mice. Life Science Alliance, 2021, 4, e202101040.	2.8	6
5	Multiplexed Cre-dependent selection yields systemic AAVs for targeting distinct brain cell types. Nature Methods, 2020, 17, 541-550.	19.0	121
6	Whole brain delivery of an instability-prone Mecp2 transgene improves behavioral and molecular pathological defects in mouse models of Rett syndrome. ELife, 2020, 9, .	6.0	42
7	Delivering genes across the blood-brain barrier: LY6A, a novel cellular receptor for AAV-PHP.B capsids. PLoS ONE, 2019, 14, e0225206.	2.5	145
8	Identification of peripheral neural circuits that regulate heart rate using optogenetic and viral vector strategies. Nature Communications, 2019, 10, 1944.	12.8	140
9	TRIM9-Mediated Resolution of Neuroinflammation Confers Neuroprotection upon Ischemic Stroke in Mice. Cell Reports, 2019, 27, 549-560.e6.	6.4	43
10	Adeno-Associated Virus Technologies and Methods for Targeted Neuronal Manipulation. Frontiers in Neuroanatomy, 2019, 13, 93.	1.7	139
11	Systemic AAV vectors for widespread and targeted gene delivery in rodents. Nature Protocols, 2019, 14, 379-414.	12.0	235
12	Viral Strategies for Targeting the Central and Peripheral Nervous Systems. Annual Review of Neuroscience, 2018, 41, 323-348.	10.7	127
13	The Neuropeptide Tac2 Controls a Distributed Brain State Induced by Chronic Social Isolation Stress. Cell, 2018, 173, 1265-1279.e19.	28.9	211
14	Gene therapy for neurological disorders: progress and prospects. Nature Reviews Drug Discovery, 2018, 17, 641-659.	46.4	222
15	Global Representations of Goal-Directed Behavior in Distinct Cell Types of Mouse Neocortex. Neuron, 2017, 94, 891-907.e6.	8.1	316
16	Engineered AAVs for efficient noninvasive gene delivery to the central and peripheral nervous systems. Nature Neuroscience, 2017, 20, 1172-1179.	14.8	927
17	Better Targeting, Better Efficiency for Wide-Scale Neuronal Transduction with the Synapsin Promoter and AAV-PHP.B. Frontiers in Molecular Neuroscience, 2016, 9, 116.	2.9	59
18	Mapping a multiplexed zoo of mRNA expression. Development (Cambridge), 2016, 143, 3632-3637.	2.5	198

#	ARTICLE	IF	CITATIONS
19	L3â€¦Systemic administration of a novel AAV variant results in widespread and efficient gene transfer in R6/2 mice. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, A91.1-A91.	1.9	0
20	Cre-dependent selection yields AAV variants for widespread gene transfer to the adult brain. <i>Nature Biotechnology</i> , 2016, 34, 204-209.	17.5	727
21	Whole-body tissue stabilization and selective extractions via tissue-hydrogel hybrids for high-resolution intact circuit mapping and phenotyping. <i>Nature Protocols</i> , 2015, 10, 1860-1896.	12.0	234
22	Single-Cell Phenotyping within Transparent Intact Tissue through Whole-Body Clearing. <i>Cell</i> , 2014, 158, 945-958.	28.9	833