

Casey A Maguire

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

4,807
citations

159358

30
h-index

205818

48
g-index

50
all docs

50
docs citations

50
times ranked

7694
citing authors

#	ARTICLE	IF	CITATIONS
1	Applying extracellular vesicles based therapeutics in clinical trials – an ISEV position paper. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 30087.	5.5	1,020
2	Dynamic Biodistribution of Extracellular Vesicles <i>in Vivo</i> Using a Multimodal Imaging Reporter. <i>ACS Nano</i> , 2014, 8, 483-494.	7.3	663
3	High levels of AAV vector integration into CRISPR-induced DNA breaks. <i>Nature Communications</i> , 2019, 10, 4439.	5.8	257
4	Microvesicle-associated AAV Vector as a Novel Gene Delivery System. <i>Molecular Therapy</i> , 2012, 20, 960-971.	3.7	236
5	Extracellular vesicles and intercellular communication within the nervous system. <i>Journal of Clinical Investigation</i> , 2016, 126, 1198-1207.	3.9	188
6	Rescue of Hearing by Gene Delivery to Inner-Ear Hair Cells Using Exosome-Associated AAV. <i>Molecular Therapy</i> , 2017, 25, 379-391.	3.7	181
7	Heparin blocks transfer of extracellular vesicles between donor and recipient cells. <i>Journal of Neuro-Oncology</i> , 2013, 115, 343-351.	1.4	156
8	Heparin affinity purification of extracellular vesicles. <i>Scientific Reports</i> , 2015, 5, 10266.	1.6	152
9	Viral vectors for therapy of neurologic diseases. <i>Neuropharmacology</i> , 2017, 120, 63-80.	2.0	130
10	CRISPR/Cas9 Mediated Disruption of the Swedish APP Allele as a Therapeutic Approach for Early-Onset Alzheimer's Disease. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 11, 429-440.	2.3	116
11	Naturally enveloped AAV vectors for shielding neutralizing antibodies and robust gene delivery <i>in Vivo</i> . <i>Biomaterials</i> , 2014, 35, 7598-7609.	5.7	112
12	Gene Transfer with AAV9-PHP.B Rescues Hearing in a Mouse Model of Usher Syndrome 3A and Transduces Hair Cells in a Non-human Primate. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019, 13, 1-13.	1.8	110
13	Exosome-associated AAV2 vector mediates robust gene delivery into the murine retina upon intravitreal injection. <i>Scientific Reports</i> , 2017, 7, 45329.	1.6	108
14	In Vivo Selection Yields AAV-B1 Capsid for Central Nervous System and Muscle Gene Therapy. <i>Molecular Therapy</i> , 2016, 24, 1247-1257.	3.7	98
15	Trafficking of adeno-associated virus vectors across a model of the blood-brain barrier; a comparative study of transcytosis and transduction using primary human brain endothelial cells. <i>Journal of Neurochemistry</i> , 2017, 140, 216-230.	2.1	97
16	Enhanced liver gene transfer and evasion of preexisting humoral immunity with exosome-enveloped AAV vectors. <i>Blood Advances</i> , 2017, 1, 2019-2031.	2.5	90
17	Selection of an Efficient AAV Vector for Robust CNS Transgene Expression. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019, 15, 320-332.	1.8	89
18	Triple Bioluminescence Imaging for In Vivo Monitoring of Cellular Processes. <i>Molecular Therapy - Nucleic Acids</i> , 2013, 2, e99.	2.3	77

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19	<i>Gaussia</i> Luciferase Variant for High-Throughput Functional Screening Applications. <i>Analytical Chemistry</i> , 2009, 81, 7102-7106.	3.2	74
20	Gene Therapy for the Nervous System: Challenges and New Strategies. <i>Neurotherapeutics</i> , 2014, 11, 817-839.	2.1	70
21	Efficient Gene Transfer to the Central Nervous System by Single-Stranded Anc80L65. <i>Molecular Therapy - Methods and Clinical Development</i> , 2018, 10, 197-209.	1.8	62
22	Gene therapy for Alzheimer's disease targeting CD33 reduces amyloid beta accumulation and neuroinflammation. <i>Human Molecular Genetics</i> , 2020, 29, 2920-2935.	1.4	55
23	AAV-mediated gene transfer of DNase I in the liver of mice with colorectal cancer reduces liver metastasis and restores local innate and adaptive immune response. <i>Molecular Oncology</i> , 2020, 14, 2920-2935.	2.1	53
24	Adenoassociated Virus Serotype 9-Mediated Gene Therapy for X-Linked Adrenoleukodystrophy. <i>Molecular Therapy</i> , 2015, 23, 824-834.	3.7	51
25	Tailored transgene expression to specific cell types in the central nervous system after peripheral injection with AAV9. <i>Molecular Therapy - Methods and Clinical Development</i> , 2016, 3, 16081.	1.8	46
26	Directed evolution of adeno-associated virus for glioma cell transduction. <i>Journal of Neuro-Oncology</i> , 2010, 96, 337-347.	1.4	43
27	AAV-S: A versatile capsid variant for transduction of mouse and primate inner ear. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 21, 382-398.	1.8	40
28	Preventing Growth of Brain Tumors by Creating a Zone of Resistance. <i>Molecular Therapy</i> , 2008, 16, 1695-1702.	3.7	39
29	Preclinical testing of AAV9-PHP.B for transgene expression in the non-human primate cochlea. <i>Hearing Research</i> , 2020, 394, 107930.	0.9	39
30	Valproic acid enhances gene expression from viral gene transfer vectors. <i>Journal of Virological Methods</i> , 2005, 125, 23-33.	1.0	35
31	Mouse Gender Influences Brain Transduction by Intravascularly Administered AAV9. <i>Molecular Therapy</i> , 2013, 21, 1470-1471.	3.7	33
32	Extracellular vesicles: nature's nanoparticles for improving gene transfer with adeno-associated virus vectors. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2018, 10, e1488.	3.3	29
33	Viral vectors for gene delivery to the inner ear. <i>Hearing Research</i> , 2020, 394, 107927.	0.9	26
34	Virus vector-mediated genetic modification of brain tumor stromal cells after intravenous delivery. <i>Journal of Neuro-Oncology</i> , 2018, 139, 293-305.	1.4	24
35	Systemically administered AAV9-sTRAIL combats invasive glioblastoma in a patient-derived orthotopic xenograft model. <i>Molecular Therapy - Oncolytics</i> , 2016, 3, 16017.	2.0	21
36	Intrathecal Adeno-Associated Viral Vector-Mediated Gene Delivery for Adrenomyeloneuropathy. <i>Human Gene Therapy</i> , 2019, 30, 544-555.	1.4	21

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37	In vivo engineering of lymphocytes after systemic exosome-associated AAV delivery. <i>Scientific Reports</i> , 2020, 10, 4544.	1.6	20
38	Intracranial AAV-TRAIL combined with lanatoside C prolongs survival in an orthotopic xenograft mouse model of invasive glioblastoma. <i>Molecular Oncology</i> , 2016, 10, 625-634.	2.1	18
39	Gene therapy with apoptosis-associated speck-like protein, a newly described schwannoma tumor suppressor, inhibits schwannoma growth in vivo. <i>Neuro-Oncology</i> , 2019, 21, 854-866.	0.6	18
40	Delivering AAV to the Central Nervous and Sensory Systems. <i>Trends in Pharmacological Sciences</i> , 2021, 42, 461-474.	4.0	18
41	Long-Term Therapeutic Efficacy of Intravenous AAV-Mediated Hamartin Replacement in Mouse Model of Tuberous Sclerosis Type 1. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019, 15, 18-26.	1.8	17
42	Gene therapy for tuberous sclerosis complex type 2 in a mouse model by delivery of AAV9 encoding a condensed form of tuberin. <i>Science Advances</i> , 2021, 7, .	4.7	17
43	The AAV9 Variant Capsid AAV-F Mediates Widespread Transgene Expression in Nonhuman Primate Spinal Cord After Intrathecal Administration. <i>Human Gene Therapy</i> , 2022, 33, 61-75.	1.4	16
44	Neutralizing Antibody Evasion and Transduction with Purified Extracellular Vesicle-Enveloped Adeno-Associated Virus Vectors. <i>Human Gene Therapy</i> , 2021, 32, 1457-1470.	1.4	16
45	Extracellular Vesicles as Enhancers of Virus Vector-Mediated Gene Delivery. <i>Human Gene Therapy</i> , 2014, 25, 785-786.	1.4	13
46	Codon-optimized <i>Luciola italica</i> luciferase variants for mammalian gene expression in culture and in vivo. <i>Molecular Imaging</i> , 2012, 11, 13-21.	0.7	6
47	Gene replacement therapy in a schwannoma mouse model of neurofibromatosis type 2. <i>Molecular Therapy - Methods and Clinical Development</i> , 2022, , .	1.8	5
48	Schwannoma Gene Therapy via Adeno-Associated Viral Vector Delivery of Apoptosis-Associated Speck-like Protein Containing CARD (ASC): Preclinical Efficacy and Safety. <i>International Journal of Molecular Sciences</i> , 2022, 23, 819.	1.8	2
49	Bioluminescence-Based Monitoring of Virus Vector-Mediated Gene Transfer in Mice. <i>Methods in Molecular Biology</i> , 2014, 1098, 197-209.	0.4	0