Kevin R Nash

List of Publications by Year
in descending order

55 papers	2,907 citations	172457 29 h-index	175258 52 g-index
56 all docs	56 docs citations	56 times ranked	4135 citing authors

#	Article	IF	Citations
1	Intrastriatal rAAV-mediated delivery of anti-huntingtin shRNAs induces partial reversal of disease progression in R6/1 Huntington's disease transgenic mice. Molecular Therapy, 2005, 12, 618-633.	8.2	251
2	In Vivo RNAi-Mediated Î±-Synuclein Silencing Induces Nigrostriatal Degeneration. Molecular Therapy, 2010, 18, 1450-1457.	8.2	173
3	Neuroprotective mechanisms of astaxanthin: a potential therapeutic role in preserving cognitive function in age and neurodegeneration. GeroScience, 2017, 39, 19-32.	4.6	138
4	Recombinant adeno-associated viral vectors as therapeutic agents to treat neurological disorders. Molecular Therapy, 2006, 13, 463-483.	8.2	118
5	Successful Production of Pseudotyped rAAV Vectors Using a Modified Baculovirus Expression System. Molecular Therapy, 2005, 12, 1217-1225.	8.2	116
6	Trafficking CD11b-Positive Blood Cells Deliver Therapeutic Genes to the Brain of Amyloid-Depositing Transgenic Mice. Journal of Neuroscience, 2010, 30, 9651-9658.	3.6	116
7	The Soluble Isoform of CX3CL1 Is Necessary for Neuroprotection in a Mouse Model of Parkinson's Disease. Journal of Neuroscience, 2012, 32, 14592-14601.	3.6	105
8	Aging enhances classical activation but mitigates alternative activation in the central nervous system. Neurobiology of Aging, 2013, 34, 1610-1620.	3.1	105
9	Histone deacetylase 6 inhibition improves memory and reduces total tau levels in a mouse model of tau deposition. Alzheimer's Research and Therapy, 2014, 6, 12.	6.2	105
10	Heparin binding induces conformational changes in Adeno-associated virus serotype 2. Journal of Structural Biology, 2009, 165, 146-156.	2.8	98
11	Recombinant Adeno-Associated Viral Vectors in the Nervous System. Human Gene Therapy, 2005, 16, 781-791.	2.7	97
12	Neuroinflammation and fractalkine signaling in Alzheimerâ€™s disease. Journal of Neuroinflammation, 2019, 16, 30.	7.2	93
13	Adeno-Associated Virus-Mediated Rescue of the Cognitive Defects in a Mouse Model for Angelman Syndrome. PLoS ONE, 2011, 6, e27221.	2.5	92
14	Fractalkine overexpression suppresses tau pathology in a mouse model of tauopathy. Neurobiology of Aging, 2013, 34, 1540-1548.	3.1	89
15	Diverse activation of microglia by chemokine (C-C motif) ligand 2 overexpression in brain. Journal of Neuroinflammation, 2013, 10, 86.	7.2	78
16	Fractalkine Over Expression Suppresses Î±-Synuclein-mediated Neurodegeneration. Molecular Therapy, 2015, 23, 17-23.	8.2	68
17	Anti-Human Î±-Synuclein N-Terminal Peptide Antibody Protects against Dopaminergic Cell Death and Ameliorates Behavioral Deficits in an AAV-Î±-Synuclein Rat Model of Parkinsonâ€™s Disease. PLoS ONE, 2015, 10, e0116841.	2.5	68
18	Adeno-associated Viral (AAV) Serotype 5 Vector Mediated Gene Delivery of Endothelin-converting Enzyme Reduces AÎ² Deposits in APP + PS1 Transgenic Mice. Molecular Therapy, 2008, 16, 1580-1586.	8.2	64

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19	Convection-enhanced delivery and systemic mannitol increase gene product distribution of AAV vectors 5, 8, and 9 and increase gene product in the adult mouse brain. Journal of Neuroscience Methods, 2010, 194, 144-153.	2.5	61
20	Identification of Cellular Proteins That Interact with the Adeno-Associated Virus Rep Protein. Journal of Virology, 2009, 83, 454-469.	3.4	56
21	Phosphotyrosyl peptides and analogues as substrates and inhibitors of purple acid phosphatases. Archives of Biochemistry and Biophysics, 2004, 424, 154-162.	3.0	54
22	T cell infiltration and upregulation of MHCII in microglia leads to accelerated neuronal loss in an Î±-synuclein rat model of Parkinsonâ€™s disease. Journal of Neuroinflammation, 2020, 17, 242.	7.2	54
23	CCL2 Overexpression in the Brain Promotes Glial Activation and Accelerates Tau Pathology in a Mouse Model of Tauopathy. Frontiers in Immunology, 2020, 11, 997.	4.8	54
24	CX3CL1/CX3CR1 signaling targets for the treatment of neurodegenerative diseases. , 2022, 231, 107989.		53
25	Complete In Vitro Reconstitution of Adeno-Associated Virus DNA Replication Requires the Minichromosome Maintenance Complex Proteins. Journal of Virology, 2008, 82, 1458-1464.	3.4	52
26	Recombinant Human and Mouse Purple Acid Phosphatases: Expression and Characterization. Archives of Biochemistry and Biophysics, 1997, 345, 230-236.	3.0	47
27	Astaxanthin is neuroprotective in an aged mouse model of Parkinsonâ€™s disease. Oncotarget, 2018, 9, 10388-10401.	1.8	45
28	Nurr1 regulates RET expression in dopamine neurons of adult rat midbrain. Journal of Neurochemistry, 2010, 114, 1158-1167.	3.9	43
29	Sustained Arginase 1 Expression Modulates Pathological Tau Deposits in a Mouse Model of Tauopathy. Journal of Neuroscience, 2015, 35, 14842-14860.	3.6	37
30	Intracranial Injection of AAV Expressing NEP but Not IDE Reduces Amyloid Pathology in APP+PS1 Transgenic Mice. PLoS ONE, 2013, 8, e59626.	2.5	36
31	Two forms of CX3CL1 display differential activity and rescue cognitive deficits in CX3CL1 knockout mice. Journal of Neuroinflammation, 2020, 17, 157.	7.2	33
32	Purification of Host Cell Enzymes Involved in Adeno-Associated Virus DNA Replication. Journal of Virology, 2007, 81, 5777-5787.	3.4	32
33	TDP-43 mediated blood-brain barrier permeability and leukocyte infiltration promote neurodegeneration in a low-grade systemic inflammation mouse model. Journal of Neuroinflammation, 2020, 17, 283.	7.2	32
34	Spermidine/spermine-N1-acetyltransferase ablation impacts tauopathy-induced polyamine stress response. Alzheimer's Research and Therapy, 2019, 11, 58.	6.2	29
35	Generation of a Novel Rat Model of Angelman Syndrome with a Complete Ube3a Gene Deletion. Autism Research, 2020, 13, 397-409.	3.8	28
36	CNS-Wide over Expression of Fractalkine Improves Cognitive Functioning in a Tauopathy Model. Journal of NeuroImmune Pharmacology, 2019, 14, 312-325.	4.1	25

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37	The Effect of DNA-Dependent Protein Kinase on Adeno-Associated Virus Replication. PLoS ONE, 2010, 5, e15073.	2.5	23
38	Aberrant AZIN2 and polyamine metabolism precipitates tau neuropathology. Journal of Clinical Investigation, 2021, 131, .	8.2	20
39	Early Developmental EEG and Seizure Phenotypes in a Full Gene Deletion of Ubiquitin Protein Ligase E3A Rat Model of Angelman Syndrome. ENeuro, 2021, 8, ENEURO.0345-20.2020.	1.9	20
40	Immunomodulators as Therapeutic Agents in Mitigating the Progression of Parkinsonâ€™s Disease. Brain Sciences, 2016, 6, 41.	2.3	18
41	Small-Scale Recombinant Adeno-Associated Virus Purification. Methods in Molecular Biology, 2016, 1382, 95-106.	0.9	16
42	Toward Development of Neuron Specific Transduction After Systemic Delivery of Viral Vectors. Frontiers in Neurology, 2021, 12, 685802.	2.4	13
43	Chronological Age Impacts Immunotherapy and Monocyte Uptake Independent of Amyloid Load. Journal of NeuroImmune Pharmacology, 2012, 7, 202-214.	4.1	9
44	Overexpression of human wtTDP-43 causes impairment in hippocampal plasticity and behavioral deficits in CAMKII-tTa transgenic mouse model. Molecular and Cellular Neurosciences, 2020, 102, 103418.	2.2	7
45	Adeno associated viral-mediated intraosseous labeling of bone marrow derived cells for CNS tracking. Journal of Immunological Methods, 2016, 432, 51-56.	1.4	6
46	Accumulation of C-terminal cleaved tau is distinctly associated with cognitive deficits, synaptic plasticity impairment, and neurodegeneration in aged mice. GeroScience, 2022, 44, 173-194.	4.6	6
47	Convection Enhanced Delivery of Recombinant Adeno-associated Virus into the Mouse Brain. Methods in Molecular Biology, 2016, 1382, 285-295.	0.9	6
48	Identification of <scp>UBE3A</scp> Protein in <scp>CSF</scp> and Extracellular Space of the Hippocampus Suggest a Potential Novel Function in Synaptic Plasticity. Autism Research, 2021, 14, 645-655.	3.8	5
49	P3-048: Arginine metabolism and higher-order polyamines impact tau aggregation, microtubule assembly, and autophagy in models of tauopathies. , 2015, 11, P636-P637.		3
50	Automatic stereology of mean nuclear size of neurons using an active contour framework. Journal of Chemical Neuroanatomy, 2019, 96, 110-115.	2.1	3
51	Improving Gene Therapy for Angelman Syndrome with Secreted Human UBE3A. Neurotherapeutics, 2022, 19, 1329-1339.	4.4	3
52	STK35 Gene Therapy Attenuates Endothelial Dysfunction and Improves Cardiac Function in Diabetes. Frontiers in Cardiovascular Medicine, 2021, 8, 798091.	2.4	2
53	Recovery of Angelman syndrome rat deficits with UBE3A protein supplementation. Molecular and Cellular Neurosciences, 2022, 120, 103724.	2.2	1
54	Reelin central fragment supplementation improves cognitive deficits in a mouse model of Fragile X Syndrome. Experimental Neurology, 2022, 357, 114170.	4.1	1

#	Article	IF	Citations
55	P3-007: Characterization of full length and c-terminal truncated tau pathological progression with age in wild type mice. , 2015, 11, P621-P622.		0