Karen E Duff

List of Publications by Year
in descending order

47 papers	9,193 citations	236925 25 h-index	361022 35 g-index
52 all docs	52 docs citations	52 times ranked	17265 citing authors

#	Article	IF	Citations
1	Effects of APOE4 allelic dosage on lipidomic signatures in the entorhinal cortex of aged mice. Translational Psychiatry, 2022, 12, 129.	4.8	21
2	Wolframin is a novel regulator of tau pathology and neurodegeneration. Acta Neuropathologica, 2022, 143, 547-569.	7.7	22
3	PAC1 receptorâ€“mediated clearance of tau in postsynaptic compartments attenuates tau pathology in mouse brain. Science Translational Medicine, 2021, 13, .	12.4	18
4	Tau-targeting antibody therapies: too late, wrong epitope or wrong target?. Nature Medicine, 2021, 27, 1341-1342.	30.7	15
5	In vivo rate-determining steps of tau seed accumulation in Alzheimerâ€™s disease. Science Advances, 2021, 7, eabh1448.	10.3	70
6	P62 accumulates through neuroanatomical circuits in response to tauopathy propagation. Acta Neuropathologica Communications, 2021, 9, 177.	5.2	8
7	Atrophy associated with tau pathology precedes overt cell death in a mouse model of progressive tauopathy. Science Advances, 2020, 6, .	10.3	14
8	Chemogenetic attenuation of neuronal activity in the entorhinal cortex reduces AÎ² and tau pathology in the hippocampus. PLoS Biology, 2020, 18, e3000851.	5.6	39
9	Signatures of disrupted synaptic maintenance in the entorhinal cortex of both pathologyâ€free APOE4 carriers and aged APOE4 mice. Alzheimer's and Dementia, 2020, 16, e046192.	0.8	0
10	APOE4 is Associated with Differential Regional Vulnerability to Bioenergetic Deficits in Aged APOE Mice. Scientific Reports, 2020, 10, 4277.	3.3	34
11	Title is missing!. , 2020, 18, e3000851.		0
12	Title is missing!. , 2020, 18, e3000851.		0
13	Title is missing!. , 2020, 18, e3000851.		0
14	Title is missing!. , 2020, 18, e3000851.		0
15	Title is missing!. , 2020, 18, e3000851.		0
16	Title is missing!. , 2020, 18, e3000851.		0
17	Title is missing!. , 2020, 18, e3000851.		0
18	Title is missing!. , 2020, 18, e3000851.		0

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19	Unilateral Focused Ultrasound-Induced Blood-Brain Barrier Opening Reduces Phosphorylated Tau from The rTg4510 Mouse Model. Theranostics, 2019, 9, 5396-5411.	10.0	63
20	A tau homeostasis signature is linked with the cellular and regional vulnerability of excitatory neurons to tau pathology. Nature Neuroscience, 2019, 22, 47-56.	14.8	154
21	Targeting the 26S Proteasome To Protect Against Proteotoxic Diseases. Trends in Molecular Medicine, 2018, 24, 18-29.	6.7	39
22	Selective vulnerability in neurodegenerative diseases. Nature Neuroscience, 2018, 21, 1350-1358.	14.8	384
23	O2â€01â€04: CELL TYPEâ€“SPECIFIC TAU HOMEOSTASIS SIGNATURES ASSOCIATED WITH SELECTIVE VULNERABILITY OF EXCITATORY NEURONS TO TAU PATHOLOGY. Alzheimer's and Dementia, 2018, 14, P609.	0.8	0
24	Tau Pathology Induces Excitatory Neuron Loss, Grid Cell Dysfunction, and Spatial Memory Deficits Reminiscent of Early Alzheimerâ€™s Disease. Neuron, 2017, 93, 533-541.e5.	8.1	210
25	Progressive Pathological Changes in Neurochemical Profile of the Hippocampus and Early Changes in the Olfactory Bulbs of Tau Transgenic Mice (rTg4510). Neurochemical Research, 2017, 42, 1649-1660.	3.3	12
26	Neuronal hyperactivity due to loss of inhibitory tone in APOE4 mice lacking Alzheimerâ€™s disease-like pathology. Nature Communications, 2017, 8, 1464.	12.8	122
27	[O1â€“07â€“01]: APOE4 INDUCES ENTORHINAL CORTEX HYPERMETABOLISM IN THE ABSENCE OF OVERT ALZHEIMER's DISEASE PATHOLOGY. Alzheimer's and Dementia, 2017, 13, P204.	0.8	0
28	The Endosomalâ€“Lysosomal Pathway Is Dysregulated by APOE4 Expression in Vivo. Frontiers in Neuroscience, 2017, 11, 702.	2.8	90
29	Neuronal activity enhances tau propagation and tau pathology in vivo. Nature Neuroscience, 2016, 19, 1085-1092.	14.8	569
30	Tau-driven 26S proteasome impairment and cognitive dysfunction can be prevented early in disease by activating cAMP-PKA signaling. Nature Medicine, 2016, 22, 46-53.	30.7	352
31	3D Visualization of the Temporal and Spatial Spread of Tau Pathology Reveals Extensive Sites of Tau Accumulation Associated with Neuronal Loss and Recognition Memory Deficit in Aged Tau Transgenic Mice. PLoS ONE, 2016, 11, e0159463.	2.5	27
32	Molecular drivers and cortical spread of lateral entorhinal cortex dysfunction in preclinical Alzheimer's disease. Nature Neuroscience, 2014, 17, 304-311.	14.8	478
33	Vitamin D insufficiency and schizophrenia risk: Evaluation of hyperprolinemia as a mediator of association. Schizophrenia Research, 2014, 156, 15-22.	2.0	25
34	Mechanisms of Protein Seeding in Neurodegenerative Diseases. JAMA Neurology, 2013, 70, 304.	9.0	195
35	Small Misfolded Tau Species Are Internalized via Bulk Endocytosis and Anterogradely and Retrogradely Transported in Neurons. Journal of Biological Chemistry, 2013, 288, 1856-1870.	3.4	436
36	METABOLISM, AUTOPHAGY AND NEURODEGENERATION. , 2012, , 285-303.		0

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37	Comparative Lipidomic Analysis of Mouse and Human Brain with Alzheimer Disease. Journal of Biological Chemistry, 2012, 287, 2678-2688.	3.4	457
38	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
39	Methylthioninium chloride (methylene blue) induces autophagy and attenuates tauopathy in vitro and in vivo. Autophagy, 2012, 8, 609-622.	9.1	260
40	Trans-Synaptic Spread of Tau Pathology In Vivo. PLoS ONE, 2012, 7, e31302.	2.5	800
41	Phenothiazine-mediated rescue of cognition in tau transgenic mice requires neuroprotection and reduced soluble tau burden. Molecular Neurodegeneration, 2010, 5, 45.	10.8	160
42	Phospholipase D2 Ablation Ameliorates Alzheimer's Disease-Linked Synaptic Dysfunction and Cognitive Deficits. Journal of Neuroscience, 2010, 30, 16419-16428.	3.6	155
43	Acceleration and persistence of neurofibrillary pathology in a mouse model of tauopathy following anesthesia. FASEB Journal, 2009, 23, 2595-2604.	0.5	130
44	Metabolic Activity Determines Efficacy of Macroautophagic Clearance of Pathological Oligomeric Î±-Synuclein. American Journal of Pathology, 2009, 175, 736-747.	3.8	144
45	Anesthesia-Induced Hyperphosphorylation Detaches 3-Repeat Tau from Microtubules without Affecting Their StabilityIn Vivo. Journal of Neuroscience, 2008, 28, 12798-12807.	3.6	83
46	Interplay between Cyclin-Dependent Kinase 5 and Glycogen Synthase Kinase 3Î² Mediated by Neuregulin Signaling Leads to Differential Effects on Tau Phosphorylation and Amyloid Precursor Protein Processing. Journal of Neuroscience, 2008, 28, 2624-2632.	3.6	134
47	Anesthesia Leads to Tau Hyperphosphorylation through Inhibition of Phosphatase Activity by Hypothermia. Journal of Neuroscience, 2007, 27, 3090-3097.	3.6	347