

Karen E Duff

List of Publications by Year in descending order

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Version: 2024-02-01

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	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
2	Trans-Synaptic Spread of Tau Pathology In Vivo. <i>PLoS ONE</i> , 2012, 7, e31302.	2.5	800
3	Neuronal activity enhances tau propagation and tau pathology in vivo. <i>Nature Neuroscience</i> , 2016, 19, 1085-1092.	14.8	569
4	Molecular drivers and cortical spread of lateral entorhinal cortex dysfunction in preclinical Alzheimer's disease. <i>Nature Neuroscience</i> , 2014, 17, 304-311.	14.8	478
5	Comparative Lipidomic Analysis of Mouse and Human Brain with Alzheimer Disease. <i>Journal of Biological Chemistry</i> , 2012, 287, 2678-2688.	3.4	457
6	Small Misfolded Tau Species Are Internalized via Bulk Endocytosis and Anterogradely and Retrogradely Transported in Neurons. <i>Journal of Biological Chemistry</i> , 2013, 288, 1856-1870.	3.4	436
7	Selective vulnerability in neurodegenerative diseases. <i>Nature Neuroscience</i> , 2018, 21, 1350-1358.	14.8	384
8	Tau-driven 26S proteasome impairment and cognitive dysfunction can be prevented early in disease by activating cAMP-PKA signaling. <i>Nature Medicine</i> , 2016, 22, 46-53.	30.7	352
9	Anesthesia Leads to Tau Hyperphosphorylation through Inhibition of Phosphatase Activity by Hypothermia. <i>Journal of Neuroscience</i> , 2007, 27, 3090-3097.	3.6	347
10	Methylthioninium chloride (methylene blue) induces autophagy and attenuates tauopathy in vitro and in vivo. <i>Autophagy</i> , 2012, 8, 609-622.	9.1	260
11	Tau Pathology Induces Excitatory Neuron Loss, Grid Cell Dysfunction, and Spatial Memory Deficits Reminiscent of Early Alzheimer's Disease. <i>Neuron</i> , 2017, 93, 533-541.e5.	8.1	210
12	Mechanisms of Protein Seeding in Neurodegenerative Diseases. <i>JAMA Neurology</i> , 2013, 70, 304.	9.0	195
13	Phenothiazine-mediated rescue of cognition in tau transgenic mice requires neuroprotection and reduced soluble tau burden. <i>Molecular Neurodegeneration</i> , 2010, 5, 45.	10.8	160
14	Phospholipase D2 Ablation Ameliorates Alzheimer's Disease-Linked Synaptic Dysfunction and Cognitive Deficits. <i>Journal of Neuroscience</i> , 2010, 30, 16419-16428.	3.6	155
15	A tau homeostasis signature is linked with the cellular and regional vulnerability of excitatory neurons to tau pathology. <i>Nature Neuroscience</i> , 2019, 22, 47-56.	14.8	154
16	Metabolic Activity Determines Efficacy of Macroautophagic Clearance of Pathological Oligomeric β -Synuclein. <i>American Journal of Pathology</i> , 2009, 175, 736-747.	3.8	144
17	Interplay between Cyclin-Dependent Kinase 5 and Glycogen Synthase Kinase 3 Mediated by Neuregulin Signaling Leads to Differential Effects on Tau Phosphorylation and Amyloid Precursor Protein Processing. <i>Journal of Neuroscience</i> , 2008, 28, 2624-2632.	3.6	134
18	Acceleration and persistence of neurofibrillary pathology in a mouse model of tauopathy following anesthesia. <i>FASEB Journal</i> , 2009, 23, 2595-2604.	0.5	130

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19	Neuronal hyperactivity due to loss of inhibitory tone in APOE4 mice lacking Alzheimer's disease-like pathology. <i>Nature Communications</i> , 2017, 8, 1464.	12.8	122
20	The Endosomal-Lysosomal Pathway Is Dysregulated by APOE4 Expression in Vivo. <i>Frontiers in Neuroscience</i> , 2017, 11, 702.	2.8	90
21	Anesthesia-Induced Hyperphosphorylation Detaches 3-Repeat Tau from Microtubules without Affecting Their Stability <i>In Vivo</i> . <i>Journal of Neuroscience</i> , 2008, 28, 12798-12807.	3.6	83
22	In vivo rate-determining steps of tau seed accumulation in Alzheimer's disease. <i>Science Advances</i> , 2021, 7, eabh1448.	10.3	70
23	Unilateral Focused Ultrasound-Induced Blood-Brain Barrier Opening Reduces Phosphorylated Tau from The rTg4510 Mouse Model. <i>Theranostics</i> , 2019, 9, 5396-5411.	10.0	63
24	Targeting the 26S Proteasome To Protect Against Proteotoxic Diseases. <i>Trends in Molecular Medicine</i> , 2018, 24, 18-29.	6.7	39
25	Chemogenetic attenuation of neuronal activity in the entorhinal cortex reduces A β and tau pathology in the hippocampus. <i>PLoS Biology</i> , 2020, 18, e3000851.	5.6	39
26	APOE4 is Associated with Differential Regional Vulnerability to Bioenergetic Deficits in Aged APOE Mice. <i>Scientific Reports</i> , 2020, 10, 4277.	3.3	34
27	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. <i>PLoS ONE</i> , 2016, 11, e0159463.	2.5	27
28	Vitamin D insufficiency and schizophrenia risk: Evaluation of hyperprolinemia as a mediator of association. <i>Schizophrenia Research</i> , 2014, 156, 15-22.	2.0	25
29	Wolframin is a novel regulator of tau pathology and neurodegeneration. <i>Acta Neuropathologica</i> , 2022, 143, 547-569.	7.7	22
30	Effects of APOE4 allelic dosage on lipidomic signatures in the entorhinal cortex of aged mice. <i>Translational Psychiatry</i> , 2022, 12, 129.	4.8	21
31	PAC1 receptor-mediated clearance of tau in postsynaptic compartments attenuates tau pathology in mouse brain. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	18
32	Tau-targeting antibody therapies: too late, wrong epitope or wrong target?. <i>Nature Medicine</i> , 2021, 27, 1341-1342.	30.7	15
33	Atrophy associated with tau pathology precedes overt cell death in a mouse model of progressive tauopathy. <i>Science Advances</i> , 2020, 6, .	10.3	14
34	Progressive Pathological Changes in Neurochemical Profile of the Hippocampus and Early Changes in the Olfactory Bulbs of Tau Transgenic Mice (rTg4510). <i>Neurochemical Research</i> , 2017, 42, 1649-1660.	3.3	12
35	P62 accumulates through neuroanatomical circuits in response to tauopathy propagation. <i>Acta Neuropathologica Communications</i> , 2021, 9, 177.	5.2	8
36	METABOLISM, AUTOPHAGY AND NEURODEGENERATION. , 2012, , 285-303.		0

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37	[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
38	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
39	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
40	Title is missing!. , 2020, 18, e3000851.		0
41	Title is missing!. , 2020, 18, e3000851.		0
42	Title is missing!. , 2020, 18, e3000851.		0
43	Title is missing!. , 2020, 18, e3000851.		0
44	Title is missing!. , 2020, 18, e3000851.		0
45	Title is missing!. , 2020, 18, e3000851.		0
46	Title is missing!. , 2020, 18, e3000851.		0
47	Title is missing!. , 2020, 18, e3000851.		0