

# Catherine M Cowan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2816336/publications.pdf>

Version: 2024-02-01

24  
papers

1,792  
citations

516561

16  
h-index

642610

23  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2872  
citing authors

#	ARTICLE	IF	CITATIONS
1	What is the evidence that tau pathology spreads through prion-like propagation?. <i>Acta Neuropathologica Communications</i> , 2017, 5, 99.	2.4	272
2	Drug repositioning for Alzheimer's disease. <i>Nature Reviews Drug Discovery</i> , 2012, 11, 833-846.	21.5	239
3	Alzheimer's Disease and Type 2 Diabetes: A Critical Assessment of the Shared Pathological Traits. <i>Frontiers in Neuroscience</i> , 2018, 12, 383.	1.4	168
4	Atypical, non-standard functions of the microtubule associated Tau protein. <i>Acta Neuropathologica Communications</i> , 2017, 5, 91.	2.4	157
5	Are Tau Aggregates Toxic or Protective in Tauopathies?. <i>Frontiers in Neurology</i> , 2013, 4, 114.	1.1	151
6	Raman Spectroscopy: An Emerging Tool in Neurodegenerative Disease Research and Diagnosis. <i>ACS Chemical Neuroscience</i> , 2018, 9, 404-420.	1.7	140
7	Soluble hyper-phosphorylated tau causes microtubule breakdown and functionally compromises normal tau in vivo. <i>Acta Neuropathologica</i> , 2010, 120, 593-604.	3.9	124
8	Over-expression of tau results in defective synaptic transmission in <i>Drosophila</i> neuromuscular junctions. <i>Neurobiology of Disease</i> , 2005, 20, 918-928.	2.1	98
9	A $\beta$ exacerbates the neuronal dysfunction caused by human tau expression in a <i>Drosophila</i> model of Alzheimer's disease. <i>Experimental Neurology</i> , 2010, 223, 401-409.	2.0	81
10	Distinct phenotypes of three-repeat and four-repeat human tau in a transgenic model of tauopathy. <i>Neurobiology of Disease</i> , 2017, 105, 74-83.	2.1	71
11	Potential mechanisms and implications for the formation of tau oligomeric strains. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2016, 51, 482-496.	2.3	64
12	Rescue from tau-induced neuronal dysfunction produces insoluble tau oligomers. <i>Scientific Reports</i> , 2015, 5, 17191.	1.6	42
13	A comparison of the neuronal dysfunction caused by <i>Drosophila</i> tau and human tau in a <i>Drosophila</i> model of tauopathies. <i>Invertebrate Neuroscience</i> , 2007, 7, 165-171.	1.8	38
14	Increased throughput assays of locomotor dysfunction in <i>Drosophila</i> larvae. <i>Journal of Neuroscience Methods</i> , 2012, 203, 325-334.	1.3	21
15	Conformational Evolution of Molecular Signatures during Amyloidogenic Protein Aggregation. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4593-4611.	1.7	19
16	Low Endogenous and Chemical Induced Heat Shock Protein Induction in a ON3Rtau-Expressing <i>Drosophila</i> Larval Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2013, 33, 1117-1133.	1.2	18
17	Insulin-Mediated Changes in Tau Hyperphosphorylation and Autophagy in a <i>Drosophila</i> Model of Tauopathy and Neuroblastoma Cells. <i>Frontiers in Neuroscience</i> , 2019, 13, 801.	1.4	18
18	Conformational fingerprinting of tau variants and strains by Raman spectroscopy. <i>RSC Advances</i> , 2021, 11, 8899-8915.	1.7	15

#	ARTICLE	IF	CITATIONS
19	Using <i>Drosophila</i> models of neurodegenerative diseases for drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2011, 6, 129-140.	2.5	14
20	Modelling Tauopathies in <i>Drosophila</i> : Insights from the Fruit Fly. <i>International Journal of Alzheimer's Disease</i> , 2011, 2011, 1-16.	1.1	14
21	The use of human neurons for novel drug discovery in dementia research. <i>Expert Opinion on Drug Discovery</i> , 2016, 11, 355-367.	2.5	12
22	Suppression of tau-induced phenotypes by vitamin E demonstrates the dissociation of oxidative stress and phosphorylation in mechanisms of tau toxicity. <i>Journal of Neurochemistry</i> , 2021, 157, 684-694.	2.1	10
23	Curcumin as a Holistic Treatment for Tau Pathology. <i>Frontiers in Pharmacology</i> , 2022, 13, .	1.6	5
24	<i>Drosophila</i> modelling axonal transport in the face of tau pathology. <i>SpringerPlus</i> , 2015, 4, L13.	1.2	0