Daniel R Whiten

List of Publications by Year
in descending order

19	1,104	840776 11	839539 18
papers	citations	h-index	g-index

21	21	21	1886
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Î±-synuclein oligomers interact with ATP synthase and open the permeability transition pore in Parkinsonâ€™s disease. Nature Communications, 2018, 9, 2293.	12.8	351
2	Different soluble aggregates of AÎ²42 can give rise to cellular toxicity through different mechanisms. Nature Communications, 2019, 10, 1541.	12.8	140
3	Secondary nucleation and elongation occur at different sites on Alzheimerâ€™s amyloid-Î² aggregates. Science Advances, 2019, 5, eaau3112.	10.3	127
4	The small heat shock protein Hsp27 binds Î±-synuclein fibrils, preventing elongation and cytotoxicity. Journal of Biological Chemistry, 2018, 293, 4486-4497.	3.4	97
5	Soluble aggregates present in cerebrospinal fluid change in size and mechanism of toxicity during Alzheimerâ€™s disease progression. Acta Neuropathologica Communications, 2019, 7, 120.	5.2	64
6	Single-Molecule Characterization of the Interactions between Extracellular Chaperones and Toxic Î±-Synuclein Oligomers. Cell Reports, 2018, 23, 3492-3500.	6.4	59
7	Nanoscopic Characterisation of Individual Endogenous Protein Aggregates in Human Neuronal Cells. ChemBioChem, 2018, 19, 2033-2038.	2.6	52
8	Clusterin protects neurons against intracellular proteotoxicity. Acta Neuropathologica Communications, 2017, 5, 81.	5.2	47
9	Quantifying Co-Oligomer Formation by Î±-Synuclein. ACS Nano, 2018, 12, 10855-10866.	14.6	38
10	Flow cytometric measurement of the cellular propagation of TDP-43 aggregation. Prion, 2017, 11, 195-204.	1.8	32
11	Inhibiting the Ca 2+ Influx Induced by Human CSF. Cell Reports, 2017, 21, 3310-3316.	6.4	20
12	A Platform for Siteâ€Specific DNAâ€Antibody Bioconjugation by Using Benzoylacrylicâ€Labelled Oligonucleotides. Angewandte Chemie - International Edition, 2021, 60, 25905-25913.	13.8	15
13	Tumour necrosis factor induces increased production of extracellular amyloid-Î²- and Î±-synuclein-containing aggregates by human Alzheimerâ€™s disease neurons. Brain Communications, 2020, 2, fcaa146.	3.3	14
14	Shedding light on aberrant interactions â€“ a review of modern tools for studying protein aggregates. FEBS Journal, 2018, 285, 3604-3630.	4.7	10
15	Single cell morphology distinguishes genotype and drug effect in Hereditary Spastic Paraplegia. Scientific Reports, 2021, 11, 16635.	3.3	10
16	Alpha Synuclein only Forms Fibrils In Vitro when Larger than its Critical Size of 70 Monomers. ChemBioChem, 2021, 22, 2867-2871.	2.6	10
17	Neuroserpin and transthyretin are extracellular chaperones that preferentially inhibit amyloid formation. Science Advances, 2021, 7, eabf7606.	10.3	10
18	PINK1 signalling in neurodegenerative disease. Essays in Biochemistry, 2021, 65, 913-923.	4.7	6

#	Article	IF	Citations
19	A Platform for Siteâ€Specific DNAâ€Antibody Bioconjugation by Using Benzoylacrylicâ€labelled Oligonucleotides. Angewandte Chemie, 0, , .	2.0	2