Patrick Flagmeier

List of Publications by Year in Descending Order

27 papers	1,203 citations	17 h-index	32 g-index
32 ext. papers	1,600 ext. citations	9.4 avg, IF	4.14 L-index

#	Paper	IF	Citations
27	Comparative Studies in the A30P and A53T -Synuclein Strains to Investigate the Molecular Origins of Parkinsons Disease. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 552549	5.7	5
26	Squalamine and Its Derivatives Modulate the Aggregation of Amyloid- and -Synuclein and Suppress the Toxicity of Their Oligomers. *Frontiers in Neuroscience*, **2021**, 15, 680026	5.1	11
25	Wild-type sTREM2 blocks A aggregation and neurotoxicity, but the Alzheimers R47H mutant increases A aggregation. *Journal of Biological Chemistry*, **2021**, 296, 100631	5.4	13
24	Elongation rate and average length of amyloid fibrils in solution using isotope-labelled small-angle neutron scattering. *RSC Chemical Biology*, **2021**, 2, 1232-1238	3	1
23	The Influence of Pathogenic Mutations in -Synuclein on Biophysical and Structural Characteristics of Amyloid Fibrils. *ACS Nano*, **2020**, 14, 5213-5222	16.7	24
22	Screening of small molecules using the inhibition of oligomer formation in -synuclein aggregation as a selection parameter. *Communications Chemistry*, **2020**, 3,	6.3	4
21	Direct measurement of lipid membrane disruption connects kinetics and toxicity of A42 aggregation. *Nature Structural and Molecular Biology*, **2020**, 27, 886-891	17.6	12
20	Different soluble aggregates of A42 can give rise to cellular toxicity through different mechanisms. *Nature Communications*, **2019**, 10, 1541	17.4	71
19	Increased Secondary Nucleation Underlies Accelerated Aggregation of the Four-Residue N-Terminally Truncated A42 Species A5-42. *ACS Chemical Neuroscience*, **2019**, 10, 2374-2384	5.7	11
18	An engineered monomer binding-protein for -synuclein efficiently inhibits the proliferation of amyloid fibrils. *ELife*, **2019**, 8,	8.9	37
17	Optical Structural Analysis of Individual -Synuclein Oligomers. *Angewandte Chemie - International Edition*, **2018**, 57, 4886-4890	16.4	27
16	Optical Structural Analysis of Individual -Synuclein Oligomers. *Angewandte Chemie*, **2018**, 130, 4980-4984	3.6	
15	Hsp70 Inhibits the Nucleation and Elongation of Tau and Sequesters Tau Aggregates with High Affinity. *ACS Chemical Biology*, **2018**, 13, 636-646	4.9	63
14	Nanoscopic Characterisation of Individual Endogenous Protein Aggregates in Human Neuronal Cells. *ChemBioChem*, **2018**, 19, 2033-2038	3.8	21
13	Single-Molecule Characterization of the Interactions between Extracellular Chaperones and Toxic -Synuclein Oligomers. *Cell Reports*, **2018**, 23, 3492-3500	10.6	42
12	Mapping Surface Hydrophobicity of -Synuclein Oligomers at the Nanoscale. *Nano Letters*, **2018**, 18, 7494-7501	11.5	42
11	Quantifying Co-Oligomer Formation by -Synuclein. *ACS Nano*, **2018**, 12, 10855-10866	16.7	30

List of Publications

10	Multistep Inhibition of α-Synuclein Aggregation and Toxicity in Vitro and in Vivo by Trodusquemine. *ACS Chemical Biology*, **2018**, 13, 2308-2319	4.9	52
9	A natural product inhibits the initiation of α-synuclein aggregation and suppresses its toxicity. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E1009-E1017	11.5	177
8	Inhibiting the Ca Influx Induced by Human CSF. *Cell Reports*, **2017**, 21, 3310-3316	10.6	14
7	Ultrasensitive Measurement of Ca2+ Influx into Lipid Vesicles Induced by Protein Aggregates. *Angewandte Chemie*, **2017**, 129, 7858-7862	3.6	6
6	Ultrasensitive Measurement of Ca Influx into Lipid Vesicles Induced by Protein Aggregates. *Angewandte Chemie - International Edition*, **2017**, 56, 7750-7754	16.4	51
5	Monomeric and fibrillar α-synuclein exert opposite effects on the catalytic cycle that promotes the proliferation of Aβ42 aggregates. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 8005-8010	11.5	27
4	Mutations associated with familial Parkinson's disease alter the initiation and amplification steps of α-synuclein aggregation. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 10328-33	11.5	159
3	α-Synuclein suppresses both the initiation and amplification steps of α-synuclein aggregation via competitive binding to surfaces. *Scientific Reports*, **2016**, 6, 36010	4.9	45
2	Chemical properties of lipids strongly affect the kinetics of the membrane-induced aggregation of α-synuclein. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 7065-70	11.5	164
1	Protein microgels from amyloid fibril networks. *ACS Nano*, **2015**, 9, 43-51	16.7	94