

# Patrick Flagmeier

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A natural product inhibits the initiation of $\beta$ synuclein aggregation and suppresses its toxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E1009-E1017	11.5	177
26	Chemical properties of lipids strongly affect the kinetics of the membrane-induced aggregation of $\beta$ synuclein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 7065-70	11.5	164
25	Mutations associated with familial Parkinson's disease alter the initiation and amplification steps of $\beta$ synuclein aggregation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 10328-33	11.5	159
24	Protein microgels from amyloid fibril networks. <i>ACS Nano</i> , <b>2015</b> , 9, 43-51	16.7	94
23	Different soluble aggregates of A $\beta$ 2 can give rise to cellular toxicity through different mechanisms. <i>Nature Communications</i> , <b>2019</b> , 10, 1541	17.4	71
22	Hsp70 Inhibits the Nucleation and Elongation of Tau and Sequesters Tau Aggregates with High Affinity. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 636-646	4.9	63
21	Multistep Inhibition of $\beta$ synuclein Aggregation and Toxicity in Vitro and in Vivo by Trodusquemine. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 2308-2319	4.9	52
20	Ultrasensitive Measurement of Ca Influx into Lipid Vesicles Induced by Protein Aggregates. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 7750-7754	16.4	51
19	$\beta$ synuclein suppresses both the initiation and amplification steps of $\beta$ synuclein aggregation via competitive binding to surfaces. <i>Scientific Reports</i> , <b>2016</b> , 6, 36010	4.9	45
18	Single-Molecule Characterization of the Interactions between Extracellular Chaperones and Toxic $\beta$ synuclein Oligomers. <i>Cell Reports</i> , <b>2018</b> , 23, 3492-3500	10.6	42
17	Mapping Surface Hydrophobicity of $\beta$ synuclein Oligomers at the Nanoscale. <i>Nano Letters</i> , <b>2018</b> , 18, 7494-7501	11.5	42
16	An engineered monomer binding-protein for $\beta$ synuclein efficiently inhibits the proliferation of amyloid fibrils. <i>ELife</i> , <b>2019</b> , 8,	8.9	37
15	Quantifying Co-Oligomer Formation by $\beta$ synuclein. <i>ACS Nano</i> , <b>2018</b> , 12, 10855-10866	16.7	30
14	Optical Structural Analysis of Individual $\beta$ synuclein Oligomers. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 4886-4890	16.4	27
13	Monomeric and fibrillar $\beta$ synuclein exert opposite effects on the catalytic cycle that promotes the proliferation of A $\beta$ 2 aggregates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 8005-8010	11.5	27
12	The Influence of Pathogenic Mutations in $\beta$ synuclein on Biophysical and Structural Characteristics of Amyloid Fibrils. <i>ACS Nano</i> , <b>2020</b> , 14, 5213-5222	16.7	24
11	Nanosopic Characterisation of Individual Endogenous Protein Aggregates in Human Neuronal Cells. <i>ChemBioChem</i> , <b>2018</b> , 19, 2033-2038	3.8	21

10	Inhibiting the Ca Influx Induced by Human CSF. <i>Cell Reports</i> , <b>2017</b> , 21, 3310-3316	10.6	14
9	Wild-type sTREM2 blocks A $\beta$ aggregation and neurotoxicity, but the Alzheimers R47H mutant increases A $\beta$ aggregation. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100631	5.4	13
8	Direct measurement of lipid membrane disruption connects kinetics and toxicity of A $\beta$ 2 aggregation. <i>Nature Structural and Molecular Biology</i> , <b>2020</b> , 27, 886-891	17.6	12
7	Increased Secondary Nucleation Underlies Accelerated Aggregation of the Four-Residue N-Terminally Truncated A $\beta$ 2 Species A $\beta$ -42. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 2374-2384	5.7	11
6	Squalamine and Its Derivatives Modulate the Aggregation of Amyloid- $\beta$ and $\beta$ Synuclein and Suppress the Toxicity of Their Oligomers. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 680026	5.1	11
5	Ultrasensitive Measurement of Ca <sup>2+</sup> Influx into Lipid Vesicles Induced by Protein Aggregates. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 7858-7862	3.6	6
4	Comparative Studies in the A30P and A53T $\beta$ Synuclein Strains to Investigate the Molecular Origins of Parkinsons Disease. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 552549	5.7	5
3	Screening of small molecules using the inhibition of oligomer formation in $\beta$ Synuclein aggregation as a selection parameter. <i>Communications Chemistry</i> , <b>2020</b> , 3,	6.3	4
2	Elongation rate and average length of amyloid fibrils in solution using isotope-labelled small-angle neutron scattering. <i>RSC Chemical Biology</i> , <b>2021</b> , 2, 1232-1238	3	1
1	Optical Structural Analysis of Individual $\beta$ Synuclein Oligomers. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 4980-4984.6	4.6	1