

Celine Galvagnion

List of Publications by Year in Descending Order

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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

2,449
citations

19
h-index

31
g-index

31
ext. papers

3,067
ext. citations

8.1
avg, IF

5.17
L-index

#	Paper	IF	Citations
27	Spingolipid changes in Parkinson L444P GBA mutation fibroblasts promote β synuclein aggregation.. <i>Brain</i> , 2022 ,	11.2	1
26	Capillary flow experiments for thermodynamic and kinetic characterization of protein liquid-liquid phase separation.. <i>Nature Communications</i> , 2021 , 12, 7289	17.4	5
25	The interplay between Glucocerebrosidase, β synuclein and lipids in human models of Parkinson's disease. <i>Biophysical Chemistry</i> , 2021 , 273, 106534	3.5	17
24	An engineered monomer binding-protein for β synuclein efficiently inhibits the proliferation of amyloid fibrils. <i>ELife</i> , 2019 , 8,	8.9	37
23	Lipid Dynamics and Phase Transition within β synuclein Amyloid Fibrils. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 7872-7877	6.4	19
22	Microfluidic Diffusion Platform for Characterizing the Sizes of Lipid Vesicles and the Thermodynamics of Protein-Lipid Interactions. <i>Analytical Chemistry</i> , 2018 , 90, 3284-3290	7.8	16
21	Cholesterol catalyses A β 2 aggregation through a heterogeneous nucleation pathway in the presence of lipid membranes. <i>Nature Chemistry</i> , 2018 , 10, 673-683	17.6	126
20	C-terminal truncation of β synuclein promotes amyloid fibril amplification at physiological pH. <i>Chemical Science</i> , 2018 , 9, 5506-5516	9.4	34
19	Kinetic barriers to β synuclein protofilament formation and conversion into mature fibrils. <i>Chemical Communications</i> , 2018 , 54, 7854-7857	5.8	14
18	Multistep Inhibition of β synuclein Aggregation and Toxicity in Vitro and in Vivo by Trodusquemine. <i>ACS Chemical Biology</i> , 2018 , 13, 2308-2319	4.9	52
17	A natural product inhibits the initiation of β synuclein aggregation and suppresses its toxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E1009-E1017 ^{11.5}	11.5	177
16	The Role of Lipids Interacting with β synuclein in the Pathogenesis of Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2017 , 7, 433-450	5.3	117
15	Mutations associated with familial Parkinson's disease alter the initiation and amplification steps of β synuclein aggregation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 10328-33	11.5	159
14	β synuclein suppresses both the initiation and amplification steps of β synuclein aggregation via competitive binding to surfaces. <i>Scientific Reports</i> , 2016 , 6, 36010	4.9	45
13	Chemical properties of lipids strongly affect the kinetics of the membrane-induced aggregation of β synuclein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 7065-70	11.5	164
12	Discovery of a small-molecule binder of the oncoprotein gankyrin that modulates gankyrin activity in the cell. <i>Scientific Reports</i> , 2016 , 6, 23732	4.9	22
11	The inverted free energy landscape of an intrinsically disordered peptide by simulations and experiments. <i>Scientific Reports</i> , 2015 , 5, 15449	4.9	84

10	Lipid vesicles trigger β synuclein aggregation by stimulating primary nucleation. <i>Nature Chemical Biology</i> , 2015 , 11, 229-34	11.7	355
9	Direct observation of heterogeneous amyloid fibril growth kinetics via two-color super-resolution microscopy. <i>Nano Letters</i> , 2014 , 14, 339-45	11.5	127
8	Ostwald's rule of stages governs structural transitions and morphology of dipeptide supramolecular polymers. <i>Nature Communications</i> , 2014 , 5, 5219	17.4	150
7	Solution conditions determine the relative importance of nucleation and growth processes in β synuclein aggregation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 7671-6	11.5	395
6	Targeting the intrinsically disordered structural ensemble of β synuclein by small molecules as a potential therapeutic strategy for Parkinson's disease. <i>PLoS ONE</i> , 2014 , 9, e87133	3.7	98
5	Production and initial structural characterization of the TM4TM5 helix-loop-helix domain of the translocator protein. <i>Journal of Peptide Science</i> , 2013 , 19, 102-9	2.1	3
4	β synuclein senses lipid packing defects and induces lateral expansion of lipids leading to membrane remodeling. <i>Journal of Biological Chemistry</i> , 2013 , 288, 20883-20895	5.4	141
3	Folding and association of thermophilic dimeric and trimeric DsrEFH proteins: Tm0979 and Mth1491. <i>Biochemistry</i> , 2009 , 48, 2891-906	3.2	11
2	Conformational stability and folding mechanisms of dimeric proteins. <i>Progress in Biophysics and Molecular Biology</i> , 2008 , 98, 61-84	4.7	78
1	Sphingolipid changes in Parkinson L444P GBA mutation fibroblasts promote β synuclein aggregation		2