

# Giorgio Favrin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3298070/publications.pdf>

Version: 2024-02-01

18  
papers

1,908  
citations

687363

13  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

3246  
citing authors

#	ARTICLE	IF	CITATIONS
1	ALS/FTD Mutation-Induced Phase Transition of FUS Liquid Droplets and Reversible Hydrogels into Irreversible Hydrogels Impairs RNP Granule Function. <i>Neuron</i> , 2015, 88, 678-690.	8.1	716
2	ANS Binding Reveals Common Features of Cytotoxic Amyloid Species. <i>ACS Chemical Biology</i> , 2010, 5, 735-740.	3.4	335
3	Structural Reorganisation and Potential Toxicity of Oligomeric Species Formed during the Assembly of Amyloid Fibrils. <i>PLoS Computational Biology</i> , 2007, 3, e173.	3.2	194
4	Oligomerization of Amyloid A $\beta$ 22 Peptides Using Hydrogen Bonds and Hydrophobicity Forces. <i>Biophysical Journal</i> , 2004, 87, 3657-3664.	0.5	130
5	Monte Carlo update for chain molecules: Biased Gaussian steps in torsional space. <i>Journal of Chemical Physics</i> , 2001, 114, 8154-8158.	3.0	102
6	Spinal motor neuron protein supersaturation patterns are associated with inclusion body formation in ALS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3935-E3943.	7.1	91
7	Folding of a small helical protein using hydrogen bonds and hydrophobicity forces. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002, 47, 99-105.	2.6	73
8	esyN: Network Building, Sharing and Publishing. <i>PLoS ONE</i> , 2014, 9, e106035.	2.5	59
9	Intrinsic Determinants of Neurotoxic Aggregate Formation by the Amyloid $\beta$ Peptide. <i>Biophysical Journal</i> , 2010, 98, 1677-1684.	0.5	45
10	Expression in <i>Drosophila</i> of Tandem Amyloid $\beta$ Peptides Provides Insights into Links between Aggregation and Neurotoxicity. <i>Journal of Biological Chemistry</i> , 2012, 287, 20748-20754.	3.4	40
11	The TRiC/CCT Chaperone Is Implicated in Alzheimer's Disease Based on Patient GWAS and an RNAi Screen in $\beta$ -Expressing <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2014, 9, e102985.	2.5	34
12	A Monte Carlo approach for assessing the specificity of protein oligomers observed in nano-electrospray mass spectra. <i>International Journal of Mass Spectrometry</i> , 2009, 283, 169-177.	1.5	28
13	Cholinergic neuron gene expression differences captured by translational profiling in a mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2017, 57, 104-119.	3.1	24
14	Two-State Folding over a Weak Free-Energy Barrier. <i>Biophysical Journal</i> , 2003, 85, 1457-1465.	0.5	13
15	Calculation of the free energy barriers in the oligomerisation of Ab. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 5614.	3.0	12
16	Finite Size Effects in Simulations of Protein Aggregation. <i>PLoS ONE</i> , 2008, 3, e2641.	2.5	7
17	Sequence-based study of two related proteins with different folding behaviors. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 54, 8-12.	2.6	3
18	Protein folding, aggregation and unfolding in Monte Carlo simulations. <i>Physics Procedia</i> , 2010, 7, 68-71.	1.2	1