

# Gabriella T Heller

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5110983/publications.pdf>

Version: 2024-02-01

23  
papers

2,204  
citations

471509

17  
h-index

642732

23  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2798  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Small Molecule Stabilizes the Disordered Native State of the Alzheimer's A $\beta$ Peptide. ACS Chemical Neuroscience, 2022, 13, 1738-1745.	3.5	25
2	A kinetic ensemble of the Alzheimer's A $\beta$ peptide. Nature Computational Science, 2021, 1, 71-78.	8.0	42
3	A rationally designed bicyclic peptide remodels A $\beta$ 42 aggregation in vitro and reduces its toxicity in a worm model of Alzheimer's disease. Scientific Reports, 2020, 10, 15280.	3.3	15
4	Thermodynamic and kinetic design principles for amyloid-aggregation inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24251-24257.	7.1	49
5	Small-molecule sequestration of amyloid- $\beta$ as a drug discovery strategy for Alzheimer's disease. Science Advances, 2020, 6, .	10.3	95
6	Rational design of a conformation-specific antibody for the quantification of A $\beta$ oligomers. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13509-13518.	7.1	61
7	Promoting transparency and reproducibility in enhanced molecular simulations. Nature Methods, 2019, 16, 670-673.	19.0	655
8	Structure and Dynamics of Alzheimer's Associated Amyloid-Beta Peptide. Biophysical Journal, 2019, 116, 437a.	0.5	1
9	Trodusquemine enhances A $\beta$ 42 aggregation but suppresses its toxicity by displacing oligomers from cell membranes. Nature Communications, 2019, 10, 225.	12.8	111
10	Structural Ensemble Modulation upon Small-Molecule Binding to Disordered Proteins. Journal of Molecular Biology, 2018, 430, 2288-2292.	4.2	53
11	Determination of Structural Ensembles of Proteins: Restraining vs Reweighting. Journal of Chemical Theory and Computation, 2018, 14, 6632-6641.	5.3	54
12	Multistep Inhibition of $\beta$ -Synuclein Aggregation and Toxicity <i>in Vitro</i> and <i>in Vivo</i> by Trodusquemine. ACS Chemical Biology, 2018, 13, 2308-2319.	3.4	86
13	A natural product inhibits the initiation of $\beta$ -synuclein aggregation and suppresses its toxicity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1009-E1017.	7.1	231
14	Principles of protein structural ensemble determination. Current Opinion in Structural Biology, 2017, 42, 106-116.	5.7	285
15	Attenuating the Toxicity of Amyloid-Beta Aggregation with Specific Species. Biophysical Journal, 2017, 112, 494a.	0.5	1
16	Methods of probing the interactions between small molecules and disordered proteins. Cellular and Molecular Life Sciences, 2017, 74, 3225-3243.	5.4	56
17	Simultaneous quantification of protein order and disorder. Nature Chemical Biology, 2017, 13, 339-342.	8.0	113
18	Sequence Specificity in the Entropy-Driven Binding of a Small Molecule and a Disordered Peptide. Journal of Molecular Biology, 2017, 429, 2772-2779.	4.2	62

#	ARTICLE	IF	CITATIONS
19	Vocabulary, syntax, and narrative development in typically developing children and children with early unilateral brain injury: Early parental talk about the “there-and-then” matters.. <i>Developmental Psychology</i> , 2015, 51, 161-175.	1.6	104
20	Topological Complexity in Protein Structures. <i>Computational and Mathematical Biophysics</i> , 2015, 3, .	1.1	3
21	Targeting disordered proteins with small molecules using entropy. <i>Trends in Biochemical Sciences</i> , 2015, 40, 491-496.	7.5	87
22	Quartz Microbalance Technology for Probing Biomolecular Interactions. <i>Methods in Molecular Biology</i> , 2015, 1278, 153-164.	0.9	5
23	Accounting for unintended binding events in the analysis of quartz crystal microbalance kinetic data. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 425-431.	5.0	1