

Gabriella T Heller

List of Publications by Year in descending order

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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	Promoting transparency and reproducibility in enhanced molecular simulations. <i>Nature Methods</i> , 2019, 16, 670-673.	19.0	655
2	Principles of protein structural ensemble determination. <i>Current Opinion in Structural Biology</i> , 2017, 42, 106-116.	5.7	285
3	A natural product inhibits the initiation of τ -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.	7.1	231
4	Simultaneous quantification of protein order and disorder. <i>Nature Chemical Biology</i> , 2017, 13, 339-342.	8.0	113
5	Trodusquemine enhances $A\beta$ 242 aggregation but suppresses its toxicity by displacing oligomers from cell membranes. <i>Nature Communications</i> , 2019, 10, 225.	12.8	111
6	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
7	Small-molecule sequestration of amyloid- β as a drug discovery strategy for Alzheimer's disease. <i>Science Advances</i> , 2020, 6, .	10.3	95
8	Targeting disordered proteins with small molecules using entropy. <i>Trends in Biochemical Sciences</i> , 2015, 40, 491-496.	7.5	87
9	Multistep Inhibition of τ -Synuclein Aggregation and Toxicity <i>in Vitro</i> and <i>in Vivo</i> by Trodusquemine. <i>ACS Chemical Biology</i> , 2018, 13, 2308-2319.	3.4	86
10	Sequence Specificity in the Entropy-Driven Binding of a Small Molecule and a Disordered Peptide. <i>Journal of Molecular Biology</i> , 2017, 429, 2772-2779.	4.2	62
11	Rational design of a conformation-specific antibody for the quantification of $A\beta$ oligomers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13509-13518.	7.1	61
12	Methods of probing the interactions between small molecules and disordered proteins. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 3225-3243.	5.4	56
13	Determination of Structural Ensembles of Proteins: Restraining vs Reweighting. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 6632-6641.	5.3	54
14	Structural Ensemble Modulation upon Small-Molecule Binding to Disordered Proteins. <i>Journal of Molecular Biology</i> , 2018, 430, 2288-2292.	4.2	53
15	Thermodynamic and kinetic design principles for amyloid-aggregation inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24251-24257.	7.1	49
16	A kinetic ensemble of the Alzheimer's $A\beta$ peptide. <i>Nature Computational Science</i> , 2021, 1, 71-78.	8.0	42
17	A Small Molecule Stabilizes the Disordered Native State of the Alzheimer's $A\beta$ Peptide. <i>ACS Chemical Neuroscience</i> , 2022, 13, 1738-1745.	3.5	25
18	A rationally designed bicyclic peptide remodels $A\beta$ 242 aggregation <i>in vitro</i> and reduces its toxicity in a worm model of Alzheimer's disease. <i>Scientific Reports</i> , 2020, 10, 15280.	3.3	15

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19	Quartz Microbalance Technology for Probing Biomolecular Interactions. <i>Methods in Molecular Biology</i> , 2015, 1278, 153-164.	0.9	5
20	Topological Complexity in Protein Structures. <i>Computational and Mathematical Biophysics</i> , 2015, 3, .	1.1	3
21	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
22	Attenuating the Toxicity of Amyloid-Beta Aggregation with Specific Species. <i>Biophysical Journal</i> , 2017, 112, 494a.	0.5	1
23	Structure and Dynamics of Alzheimer's Associated Amyloid-Beta Peptide. <i>Biophysical Journal</i> , 2019, 116, 437a.	0.5	1