

Lauren L Porter

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

611
citations

759233

12
h-index

839539

18
g-index

25
all docs

25
docs citations

25
times ranked

544
citing authors

#	ARTICLE	IF	CITATIONS
1	<sc>AlphaFold2</sc> fails to predict protein fold switching. Protein Science, 2022, 31, .	7.6	65
2	Many dissimilar NusG protein domains switch between α -helix and β -sheet folds. Nature Communications, 2022, 13, .	12.8	20
3	Functional and Regulatory Roles of Fold-Switching Proteins. Structure, 2021, 29, 6-14.	3.3	43
4	Predictable fold switching by the <sc>SARS-CoV-2</sc> protein <sc>ORF9b</sc>. Protein Science, 2021, 30, 1723-1729.	7.6	9
5	A sequence-based method for predicting extant fold switchers that undergo α -helix \rightarrow β -strand transitions. Biopolymers, 2021, 112, e23471.	2.4	11
6	A high-throughput predictive method for sequence-similar fold switchers. Biopolymers, 2021, 112, e23416.	2.4	17
7	<sc>Fold-switching</sc> proteins. Biopolymers, 2021, 112, e23478.	2.4	2
8	Inaccurate secondary structure predictions often indicate protein fold switching. Protein Science, 2019, 28, 1487-1493.	7.6	31
9	Amino acid signatures of HLA Class-I and II molecules are strongly associated with SLE susceptibility and autoantibody production in Eastern Asians. PLoS Genetics, 2019, 15, e1008092.	3.5	36
10	Extant fold-switching proteins are widespread. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5968-5973.	7.1	129
11	Subdomain Interactions Foster the Design of Two Protein Pairs with \sim 48% Sequence Identity but Different Folds. Biophysical Journal, 2015, 108, 154-162.	0.5	24
12	A thermodynamic definition of protein domains. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9420-9425.	7.1	45
13	Negative Design in Protein Coils. Biophysical Journal, 2011, 100, 519a.	0.5	0
14	Counting peptide-water hydrogen bonds in unfolded proteins. Protein Science, 2011, 20, 417-427.	7.6	19
15	Comment on "Revisiting the Ramachandran plot from a new angle". Protein Science, 2011, 20, 1771-1773.	7.6	4
16	Redrawing the Ramachandran plot after inclusion of hydrogen-bonding constraints. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 109-113.	7.1	71
17	Physical-chemical determinants of coil conformations in globular proteins. Protein Science, 2010, 19, 1127-1136.	7.6	13
18	Structures, basins, and energies: A deconstruction of the Protein Coil Library. Protein Science, 2008, 17, 1151-1161.	7.6	42

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19	Physical-chemical determinants of turn conformations in globular proteins. Protein Science, 2007, 16, 1720-1727.	7.6	24