

# 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	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
2	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
3	<sc>AlphaFold2</sc> fails to predict protein fold switching. Protein Science, 2022, 31, .	7.6	65
4	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
5	Functional and Regulatory Roles of Fold-Switching Proteins. Structure, 2021, 29, 6-14.	3.3	43
6	Structures, basins, and energies: A deconstruction of the Protein Coil Library. Protein Science, 2008, 17, 1151-1161.	7.6	42
7	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
8	Inaccurate secondary structure predictions often indicate protein fold switching. Protein Science, 2019, 28, 1487-1493.	7.6	31
9	Physical&#x2013;chemical determinants of turn conformations in globular proteins. Protein Science, 2007, 16, 1720-1727.	7.6	24
10	Subdomain Interactions Foster the Design of Two Protein Pairs with 48% Sequence Identity but Different Folds. Biophysical Journal, 2015, 108, 154-162.	0.5	24
11	Many dissimilar NusG protein domains switch between $\alpha$ -helix and $\beta$ -sheet folds. Nature Communications, 2022, 13, .	12.8	20
12	Counting peptide&#x2013;water hydrogen bonds in unfolded proteins. Protein Science, 2011, 20, 417-427.	7.6	19
13	A high&#x2013;throughput predictive method for sequence&#x2013;similar fold switchers. Biopolymers, 2021, 112, e23416.	2.4	17
14	Physical&#x2013;chemical determinants of coil conformations in globular proteins. Protein Science, 2010, 19, 1127-1136.	7.6	13
15	A sequence&#x2013;based method for predicting extant fold switchers that undergo $\alpha$ -helix $\rightarrow$ $\beta$ -strand transitions. Biopolymers, 2021, 112, e23471.	2.4	11
16	Predictable fold switching by the SARS&#x2013;CoV&#x2013;2 protein ORF9b. Protein Science, 2021, 30, 1723-1729.	7.6	9
17	Comment on &#x201c;Revisiting the Ramachandran plot from a new angle&#x201d;. Protein Science, 2011, 20, 1771-1773.	7.6	4
18	<sc>Fold&#x2013;switching</sc> proteins. Biopolymers, 2021, 112, e23478.	2.4	2

#	ARTICLE	IF	CITATIONS
19	Negative Design in Protein Coils. Biophysical Journal, 2011, 100, 519a.	0.5	0