Kathryn M Hart

List of Publications by Year
in descending order

10 papers	666 citations	1040056 9 h-index	1372567 10 g-index
11 all docs	11 docs citations	11 times ranked	933 citing authors

#	Article	IF	Citations
1	Discovery of multiple hidden allosteric sites by combining Markov state models and experiments. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2734-2739.	7.1	183
2	Modelling proteins' hidden conformations to predict antibiotic resistance. Nature Communications, 2016, 7, 12965.	12.8	113
3	Cleavable Hydrophilic Linker for One-Bead-One-Compound Sequencing of Oligomer Libraries by Tandem Mass Spectrometry. ACS Combinatorial Science, 2006, 8, 417-426.	3.3	85
4	Thermodynamic System Drift in Protein Evolution. PLoS Biology, 2014, 12, e1001994.	5.6	78
5	Prediction of New Stabilizing Mutations Based on Mechanistic Insights from Markov State Models. ACS Central Science, 2017, 3, 1311-1321.	11.3	55
6	Designing small molecules to target cryptic pockets yields both positive and negative allosteric modulators. PLoS ONE, 2017, 12, e0178678.	2.5	53
7	Cooperative Changes in Solvent Exposure Identify Cryptic Pockets, Switches, and Allosteric Coupling. Biophysical Journal, 2019, 116, 818-830.	0.5	42
8	Evolutionary trend toward kinetic stability in the folding trajectory of RNases H. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13045-13050.	7.1	37
9	Tabtoxinine-β-lactam is a "stealth" β-lactam antibiotic that evades β-lactamase-mediated antibiotic resistance. MedChemComm, 2016, 7, 118-127.	3.4	14
10	Natural and Synthetic Suppressor Mutations Defy Stability–Activity Tradeoffs. Biochemistry, 2022, 61, 398-407.	2.5	2