

# Paul J Sapienza

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

618  
citations

840776

11  
h-index

888059

17  
g-index

22  
all docs

22  
docs citations

22  
times ranked

839  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hidden dynamic allostery in a PDZ domain. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18249-18254.	7.1	296
2	Using NMR to study fast dynamics in proteins: methods and applications. Current Opinion in Pharmacology, 2010, 10, 723-730.	3.5	72
3	Native State Volume Fluctuations in Proteins as a Mechanism for Dynamic Allostery. Journal of the American Chemical Society, 2017, 139, 3599-3602.	13.7	33
4	Multi-Timescale Dynamics Study of FKBP12 Along the Rapamycinâ€™mTOR Binding Coordinate. Journal of Molecular Biology, 2011, 405, 378-394.	4.2	30
5	The Effect of Protein Mass Modulation on Human Dihydrofolate Reductase. Biochemistry, 2016, 55, 1100-1106.	2.5	27
6	Mg <sup>2+</sup> Binds to the Surface of Thymidylate Synthase and Affects Hydride Transfer at the Interior Active Site. Journal of the American Chemical Society, 2013, 135, 7583-7592.	13.7	21
7	An Ancestral Tryptophanyl-tRNA Synthetase Precursor Achieves High Catalytic Rate Enhancement without Ordered Ground-State Tertiary Structures. ACS Chemical Biology, 2016, 11, 1661-1668.	3.4	21
8	Bacterial Thymidylate Synthase Binds Two Molecules of Substrate and Cofactor without Cooperativity. Journal of the American Chemical Society, 2015, 137, 14260-14263.	13.7	18
9	Chemical shift imprint of intersubunit communication in a symmetric homodimer. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9533-9538.	7.1	17
10	Protein Mass Effects on Formate Dehydrogenase. Journal of the American Chemical Society, 2017, 139, 17405-17413.	13.7	17
11	Isotopic Labeling of Formate Dehydrogenase Perturbs the Protein Dynamics. Journal of Physical Chemistry B, 2019, 123, 10403-10409.	2.6	14
12	Thermodynamic and NMR Assessment of Ligand Cooperativity and Intersubunit Communication in Symmetric Dimers: Application to Thymidylate Synthase. Frontiers in Molecular Biosciences, 2018, 5, 47.	3.5	11
13	Positive Cooperativity in Substrate Binding by Human Thymidylate Synthase. Biophysical Journal, 2019, 117, 1074-1084.	0.5	11
14	Widespread Perturbation of Function, Structure, and Dynamics by a Conservative Single-Atom Substitution in Thymidylate Synthase. Biochemistry, 2016, 55, 5702-5713.	2.5	9
15	Inter-Active Site Communication Mediated by the Dimer Interface Î²-Sheet in the Half-the-Sites Enzyme, Thymidylate Synthase. Biochemistry, 2019, 58, 3302-3313.	2.5	9
16	Backbone and ILV methyl resonance assignments of E. coli thymidylate synthase bound to cofactor and a nucleotide analogue. Biomolecular NMR Assignments, 2014, 8, 195-199.	0.8	8
17	Visualizing an Allosteric Intermediate Using CuAAC Stabilization of an NMR Mixed Labeled Dimer. ACS Chemical Biology, 2021, 16, 2766-2775.	3.4	4