Janet S Finer-Moore

List of Publications by Year
in descending order

27	2,085	471509 17	642732 23
papers	citations	h-index	g-index

27	27	27	2201
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficiency of signalling through cytokine receptors depends critically on receptor orientation. Nature, 1998, 395, 511-516.	27.8	545
2	Structure, multiple site binding, and segmental accommodation in thymidylate synthase on binding dUMP and an anti-folate. Biochemistry, 1990, 29, 6964-6977.	2.5	262
3	Mechanism of inhibition of human glucose transporter GLUT1 is conserved between cytochalasin B and phenylalanine amides. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4711-4716.	7.1	170
4	Design of potent selective zinc-mediated serine protease inhibitors. Nature, 1998, 391, 608-612.	27.8	164
5	Plastic adaptation toward mutations in proteins: Structural comparison of thymidylate synthases. Proteins: Structure, Function and Bioinformatics, 1990, 8, 315-333.	2.6	154
6	Substrates Control Multimerization and Activation of the Multi-Domain ATPase Motor of Type VII Secretion. Cell, 2015, 161, 501-512.	28.9	124
7	Lessons and Conclusions from Dissecting the Mechanism of a Bisubstrate Enzyme:Â Thymidylate Synthase Mutagenesis, Function, and Structureâ€. Biochemistry, 2003, 42, 248-256.	2.5	116
8	Solvent structure in crystals of trypsin determined by X-ray and neutron diffraction. Proteins: Structure, Function and Bioinformatics, 1992, 12, 203-222.	2.6	102
9	Conformational Dynamics along an Enzymatic Reaction Pathway:Â Thymidylate Synthase, â€œthe Movieâ€â€. Biochemistry, 2003, 42, 239-247.	2.5	96
10	Crystal Structure of the Human tRNA m1A58 Methyltransferaseâ€“tRNA3Lys Complex: Refolding of Substrate tRNA Allows Access to the Methylation Target. Journal of Molecular Biology, 2015, 427, 3862-3876.	4.2	48
11	Structure of LacY with an Î±-substituted galactoside: Connecting the binding site to the protonation site. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9004-9009.	7.1	45
12	Tryptophan 80 and Leucine 143 Are Critical for the Hydride Transfer Step of Thymidylate Synthase by Controlling Active Site Accessâ€,â€¡. Biochemistry, 2002, 41, 7021-7029.	2.5	42
13	A Remote Mutation Affects the Hydride Transfer by Disrupting Concerted Protein Motions in Thymidylate Synthase. Journal of the American Chemical Society, 2012, 134, 17722-17730.	13.7	42
14	Stereochemistry of a multistep/bipartite methyl transfer reaction: thymidylate synthase. FASEB Journal, 1993, 7, 671-677.	0.5	40
15	The Role of Protein Dynamics in Thymidylate Synthase Catalysis:â€‰ Variants of Conserved 2â€˜-Deoxyuridine 5â€˜-Monophosphate (dUMP)-Binding Tyr-261,. Biochemistry, 2006, 45, 7415-7428.	2.5	38
16	Crystal Structure of a ligand-bound LacYâ€“Nanobody Complex. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8769-8774.	7.1	32
17	Substrate Recognition by RNA 5-Methyluridine Methyltransferases and Pseudouridine Synthases: A Structural Perspective. Journal of Biological Chemistry, 2006, 281, 38969-38973.	3.4	31
18	The structure ofCryptococcus neoformansthymidylate synthase suggests strategies for using target dynamics for species-specific inhibition. Acta Crystallographica Section D: Biological Crystallography, 2005, 61, 1320-1334.	2.5	10

#	Article	IF	Citations
19	A Single Mutation Traps a Half-Sites Reactive Enzyme in Midstream, Explaining Asymmetry in Hydride Transfer. Biochemistry, 2018, 57, 2786-2795.	2.5	9
20	The only active mutant of thymidylate synthase D169, a residue far from the site of methyl transfer, demonstrates the exquisite nature of enzyme specificity. Protein Engineering, Design and Selection, 2003, 16, 229-240.	2.1	8
21	Asparagine 229 Mutants of Thymidylate Synthase Catalyze the Methylation of 3-Methyl-2â€˜-deoxyuridine 5â€˜-Monophosphateâ€. Biochemistry, 1996, 35, 3944-3949.	2.5	3
22	Diversity in kinetics correlated with structure in nano body-stabilized LacY. PLoS ONE, 2020, 15, e0232846.	2.5	3
23	Caught in Action: X-ray Structure of Thymidylate Synthase with Noncovalent Intermediate Analog. Biochemistry, 2021, 60, 1243-1247.	2.5	1
24	Diversity in kinetics correlated with structure in nano body-stabilized LacY. , 2020, 15, e0232846.		0
25	Diversity in kinetics correlated with structure in nano body-stabilized LacY. , 2020, 15, e0232846.		0
26	Diversity in kinetics correlated with structure in nano body-stabilized LacY. , 2020, 15, e0232846.		0
27	Diversity in kinetics correlated with structure in nano body-stabilized LacY. , 2020, 15, e0232846.		0