Michael R Duff

List of Publications by Citations

21 papers	194 citations	9 h-index	13 g-index
21 ext. papers	230 ext. citations	3.8 avg, IF	2.89 L-index

#	Paper	IF	Citations
21	Isothermal titration calorimetry for measuring macromolecule-ligand affinity. *Journal of Visualized Experiments*, **2011**,	1.6	35
20	Modulating Enzyme Activity by Altering Protein Dynamics with Solvent. *Biochemistry*, **2018**, 57, 4263-4275	3.2	20
19	Weak interactions between folate and osmolytes in solution. *Biochemistry*, **2012**, 51, 2309-18	3.2	19
18	Thermodynamics and solvent effects on substrate and cofactor binding in Escherichia coli chromosomal dihydrofolate reductase. *Biochemistry*, **2011**, 50, 3673-85	3.2	15
17	Thermodynamics and solvent linkage of macromolecule-ligand interactions. *Methods*, **2015**, 76, 51-60	4.6	14
16	Investigation of osmolyte effects on FolM: comparison with other dihydrofolate reductases. *Biochemistry*, **2014**, 53, 1330-41	3.2	13
15	A Structural Basis for Biguanide Activity. *Biochemistry*, **2017**, 56, 4786-4798	3.2	13
14	Effects of high hydrostatic pressure or hydrophobic modification on thermal stability of xanthine oxidase. *Enzyme and Microbial Technology*, **2017**, 103, 18-24	3.8	12
13	Glucose oxidase stabilization against thermal inactivation using high hydrostatic pressure and hydrophobic modification. *Biotechnology and Bioengineering*, **2017**, 114, 516-525	4.9	11
12	Highly Dynamic Anion-Quadrupole Networks in Proteins. *Biochemistry*, **2016**, 55, 6056-6069	3.2	9
11	Tales of Dihydrofolate Binding to R67 Dihydrofolate Reductase. *Biochemistry*, **2016**, 55, 133-45	3.2	7
10	Aspects of Weak Interactions between Folate and Glycine Betaine. *Biochemistry*, **2016**, 55, 6282-6294	3.2	6
9	Small Angle Neutron Scattering Studies of R67 Dihydrofolate Reductase, a Tetrameric Protein with Intrinsically Disordered N-Termini. *Biochemistry*, **2017**, 56, 5886-5899	3.2	4
8	Structure, dynamics and function of the evolutionarily changing biliverdin reductase B family. *Journal of Biochemistry*, **2020**, 168, 191-202	3.1	4
7	Titration of Folate Pathway Enzymes. *Applied and Environmental Microbiology*, **2018**, 84,	4.8	3
6	The Structural Basis for Nonsteroidal Anti-Inflammatory Drug Inhibition of Human Dihydrofolate Reductase. *Journal of Medicinal Chemistry*, **2020**, 63, 8314-8324	8.3	3
5	Crowders Steal Dihydrofolate Reductase Ligands through Quinary Interactions. *Biochemistry*, **2019**, 58, 1198-1213	3.2	2

List of Publications

4	Catalytic activity and stabilization of phenyl-modified glucose oxidase at high hydrostatic pressure. *Enzyme and Microbial Technology*, **2020**, 137, 109538	3.8	2
3	Modulating Enzyme Function Dynamic Allostery within Biliverdin Reductase B. *Frontiers in Molecular Biosciences*, **2021**, 8, 691208	5.6	2
2	Effects of Osmolytes on Ligand Binding to Dihydropteroate Synthase from. *Journal of Physical Chemistry B*, **2020**, 124, 6212-6224	3.4	0
1	Differentiation of the binding of two ligands to a tetrameric protein with a single symmetric active site by F NMR. *Protein Science*, **2021**, 30, 477-484	6.3	0