Steven G Burston

List of Publications by Year
in descending order

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23 papers	2,511 citations	430874 18 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	1396 citing authors

#	Article	IF	Citations
1	Activation by substoichiometric inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1414-1418.	7.1	18
2	The streptococcal multidomain fibrillar adhesin CshA has an elongated polymeric architecture. Journal of Biological Chemistry, 2020, 295, 6689-6699.	3.4	8
3	Toward a Detailed Description of the Pathways of Allosteric Communication in the GroEL Chaperonin through Atomistic Simulation. Biochemistry, 2012, 51, 1707-1718.	2.5	11
4	Mapping the road to recovery: The ClpB/Hsp104 molecular chaperone. Journal of Structural Biology, 2012, 179, 161-171.	2.8	37
5	Characterisation of a GroEL Single-Ring Mutant that Supports Growth of Escherichia coli and Has GroES-Dependent ATPase Activity. Journal of Molecular Biology, 2010, 396, 1271-1283.	4.2	24
6	Anything a ClpA Can Do, Two ClpAs Can Do Better. Structure, 2009, 17, 483-484.	3.3	0
7	Structure and Malonyl CoA-ACP Transacylase Binding of Streptomyces coelicolor Fatty Acid Synthase Acyl Carrier Protein. ACS Chemical Biology, 2009, 4, 625-636.	3.4	36
8	An ACP Structural Switch: Conformational Differences between the Apo and Holo Forms of the Actinorhodin Polyketide Synthase Acyl Carrier Protein. ChemBioChem, 2008, 9, 2424-2432.	2.6	46
9	Biochemical and Functional Analysis of the Assembly of Full-length Sup35p and Its Prion-forming Domain. Journal of Biological Chemistry, 2007, 282, 1679-1686.	3.4	49
10	Elucidation of Steps in the Capture of a Protein Substrate for Efficient Encapsulation by GroE. Journal of Biological Chemistry, 2006, 281, 21266-21275.	3.4	38
11	Self-Malonylation Is an Intrinsic Property of a Chemically Synthesized Type II Polyketide Synthase Acyl Carrier Proteinâ€,â€¡. Biochemistry, 2005, 44, 15414-15421.	2.5	43
12	Identification of a Major Inter-ring Coupling Step in the GroEL Reaction Cycle. Journal of Biological Chemistry, 2004, 279, 38111-38117.	3.4	6
13	A Kinetic Analysis of the Nucleotide-induced Allosteric Transitions in a Single-ring Mutant of GroEL. Journal of Molecular Biology, 2004, 338, 969-977.	4.2	27
14	A kinetic analysis of the nucleotide-induced allosteric transitions of GroEL 1 1Edited by A. R. Fersht. Journal of Molecular Biology, 1999, 293, 667-684.	4.2	72
15	STRUCTURE AND FUNCTION IN GroEL-MEDIATED PROTEIN FOLDING. Annual Review of Biochemistry, 1998, 67, 581-608.	11.1	547
16	Distinct actions of cis and trans ATP within the double ring of the chaperonin GroEL. Nature, 1997, 388, 792-798.	27.8	392
17	Domain Behavior during the Folding of a Thermostable Phosphoglycerate Kinase. Biochemistry, 1996, 35, 15740-15752.	2.5	35
18	Release of both native and non-native proteins from a cis-only GroEL ternary complex. Nature, 1996, 383, 96-99.	27.8	90

#	Article	IF	Citations
19	The Origins and Consequences of Asymmetry in the Chaperonin Reaction Cycle. Journal of Molecular Biology, 1995, 249, 138-152.	4.2	178
20	Chaperonins can Catalyse the Reversal of Early Aggregation Steps when a Protein Misfolds. Journal of Molecular Biology, 1995, 250, 581-586.	4.2	131
21	Location of a folding protein and shape changes in GroELâ€“GroES complexes imaged by cryo-electron microscopy. Nature, 1994, 371, 261-264.	27.8	366
22	The stability and hydrophobicity of cytosolic and mitochondrial malate dehydrogenases and their relation to chaperonin-assisted folding. FEBS Letters, 1994, 344, 129-135.	2.8	74
23	Binding and hydrolysis of nucleotides in the chaperonin catalytic cycle: Implications for the mechanism of assisted protein folding. Biochemistry, 1993, 32, 2554-2563.	2.5	283