Alexey V Gribenko

List of Publications by Year
in descending order

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21 papers	1,164 citations	471509 17 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	1555 citing authors

#	Article	IF	Citations
1	Protein Stability and Surface Electrostatics:Â A Charged Relationshipâ€. Biochemistry, 2006, 45, 2761-2766.	2.5	285
2	Rational stabilization of enzymes by computational redesign of surface chargeâ€“charge interactions. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2601-2606.	7.1	201
3	Mechanism of Thermostabilization in a Designed Cold Shock Protein with Optimized Surface Electrostatic Interactions. Journal of Molecular Biology, 2004, 336, 929-942.	4.2	74
4	Dissecting the energetics of protein Î±-helix C-cap termination through chemical protein synthesis. Nature Chemical Biology, 2006, 2, 139-143.	8.0	63
5	Role of the Chargeâ€“Charge Interactions in Defining Stability and Halophilicity of the CspB Proteins. Journal of Molecular Biology, 2007, 366, 842-856.	4.2	62
6	Oligomerization and divalent ion binding properties of the S100P protein: a Ca2+/Mg2+-switch model. Journal of Molecular Biology, 1998, 283, 679-694.	4.2	59
7	Three-Dimensional Structure and Biophysical Characterization of Staphylococcus aureus Cell Surface Antigenâ€“Manganese Transporter MntC. Journal of Molecular Biology, 2013, 425, 3429-3445.	4.2	54
8	Molecular Characterization and Tissue Distribution of a Novel Member of the S100 Family of EF-Hand Proteins,. Biochemistry, 2001, 40, 15538-15548.	2.5	53
9	Predicting the Susceptibility of Meningococcal Serogroup B Isolates to Bactericidal Antibodies Elicited by Bivalent rLP2086, a Novel Prophylactic Vaccine. MBio, 2018, 9, .	4.1	53
10	Pb²⁺ as Modulator of Proteinâ€“Membrane Interactions. Journal of the American Chemical Society, 2011, 133, 10599-10611.	13.7	42
11	Cooperativity of complex salt bridges. Protein Science, 2008, 17, 1285-1290.	7.6	35
12	Conformational and thermodynamic properties of peptide binding to the human S100P protein. Protein Science, 2002, 11, 1367-1375.	7.6	31
13	Exchange Protein Directly Activated by Cyclic AMP Isoform 2 Is Not a Direct Target of Sulfonylurea Drugs. Assay and Drug Development Technologies, 2011, 9, 88-91.	1.2	29
14	Cloning, overexpression, purification, and spectroscopic characterization of human S100P. Protein Science, 1998, 7, 211-215.	7.6	28
15	MntC-Dependent Manganese Transport Is Essential for Staphylococcus aureus Oxidative Stress Resistance and Virulence. MSphere, 2018, 3, .	2.9	27
16	High Resolution Mapping of Bactericidal Monoclonal Antibody Binding Epitopes on Staphylococcus aureus Antigen MntC. PLoS Pathogens, 2016, 12, e1005908.	4.7	23
17	Letter to the Editor: NMR Structure of the Apo-S100P Protein. Journal of Biomolecular NMR, 2004, 29, 399-402.	2.8	21
18	The N-terminal Capping Propensities of the D-helix Modulate the Allosteric Activation of the Escherichia coli cAMP Receptor Protein. Journal of Biological Chemistry, 2012, 287, 39402-39411.	3.4	13

#	Article	IF	Citations
19	Amino acid substitutions affecting protein dynamics in eglin C do not affect heat capacity change upon unfolding. Proteins: Structure, Function and Bioinformatics, 2006, 64, 295-300.	2.6	4
20	A single-residue mutation destabilizes Vibrio harveyi flavin reductase FRP dimer. Archives of Biochemistry and Biophysics, 2008, 472, 51-57.	3.0	4
21	Signal Transmission in Escherichia coli Cyclic AMP Receptor Protein for Survival in Extreme Acidic Conditions. Biochemistry, 2021, 60, 2987-3006.	2.5	2