Levani Zandarashvili

List of Publications by Year
in descending order

21 papers	1,076 citations	516710 16 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	1485 citing authors

#	Article	IF	Citations
1	Signal Transmission in Escherichia coli Cyclic AMP Receptor Protein for Survival in Extreme Acidic Conditions. Biochemistry, 2021, 60, 2987-3006.	2.5	2
2	Structural basis for allosteric PARP-1 retention on DNA breaks. Science, 2020, 368, .	12.6	191
3	NAD+ analog reveals PARP-1 substrate-blocking mechanism and allosteric communication from catalytic center to DNA-binding domains. Nature Communications, 2018, 9, 844.	12.8	163
4	Hydrogen-Deuterium Exchange Coupled to Top- and Middle-Down Mass Spectrometry Reveals Histone Tail Dynamics before and after Nucleosome Assembly. Structure, 2018, 26, 1651-1663.e3.	3.3	30
5	NMR-based investigations into target DNA search processes of proteins. Methods, 2018, 148, 57-66.	3.8	12
6	Centromeres are maintained by fastening CENP-A to DNA and directing an arginine anchor-dependent nucleosome transition. Nature Communications, 2017, 8, 15775.	12.8	75
7	Stereospecific Effects of Oxygenâ€toâ€Sulfur Substitution in DNA Phosphate on Ion Pair Dynamics and Proteinâ€“DNA Affinity. ChemBioChem, 2016, 17, 1636-1642.	2.6	15
8	Changes in conformational dynamics of basic side chains upon proteinâ€“DNA association. Nucleic Acids Research, 2016, 44, 6961-6970.	14.5	51
9	Thermodynamic Additivity for Impacts of Base-Pair Substitutions on Association of the Egr-1 Zinc-Finger Protein with DNA. Biochemistry, 2016, 55, 6467-6474.	2.5	9
10	Residence Times of Molecular Complexes in Solution from NMR Data of Intermolecular Hydrogen-Bond Scalar Coupling. Journal of Physical Chemistry Letters, 2016, 7, 820-824.	4.6	13
11	Physicochemical Properties of Ion Pairs of Biological Macromolecules. Biomolecules, 2015, 5, 2435-2463.	4.0	30
12	Structural impact of complete CpG methylation within target DNA on specific complex formation of the inducible transcription factor Egrâ€1. FEBS Letters, 2015, 589, 1748-1753.	2.8	39
13	Temperature Dependence of Internal Motions of Protein Side-Chain NH₃⁺ Groups: Insight into Energy Barriers for Transient Breakage of Hydrogen Bonds. Biochemistry, 2015, 54, 538-545.	2.5	23
14	Dynamic Equilibria of Short-Range Electrostatic Interactions at Molecular Interfaces of Proteinâ€“DNA Complexes. Journal of Physical Chemistry Letters, 2015, 6, 2733-2737.	4.6	39
15	Balancing between affinity and speed in target DNA search by zinc-finger proteins via modulation of dynamic conformational ensemble. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5142-9.	7.1	90
16	Entropic Enhancement of Protein-DNA Affinity by Oxygen-to-Sulfur Substitution in DNA Phosphate. Biophysical Journal, 2015, 109, 1026-1037.	0.5	46
17	Effective strategy to assign 1H-15N heteronuclear correlation NMR signals from lysine side-chain NH3 + groups of proteins at low temperature. Journal of Biomolecular NMR, 2014, 60, 23-27.	2.8	19
18	Real-time Kinetics of High-mobility Group Box 1 (HMGB1) Oxidation in Extracellular Fluids Studied by in Situ Protein NMR Spectroscopy. Journal of Biological Chemistry, 2013, 288, 11621-11627.	3.4	70

#	Article	IF	Citations
19	NMR Studies on the Dynamics of Hydrogen Bonds and Ion Pairs Involving Lysine Side Chains of Proteins. Advances in Protein Chemistry and Structural Biology, 2013, 93, 37-80.	2.3	29
20	Asymmetrical roles of zinc fingers in dynamic DNA-scanning process by the inducible transcription factor Egr-1. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1724-E1732.	7.1	90
21	Signature of Mobile Hydrogen Bonding of Lysine Side Chains from Long-Range ¹⁵Nâ€“¹³C Scalar J-Couplings and Computation. Journal of the American Chemical Society, 2011, 133, 9192-9195.	13.7	40