

David P Remeta

List of Publications by Year in descending order

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28
papers

902
citations

430874

18
h-index

501196

28
g-index

53
all docs

53
docs citations

53
times ranked

1176
citing authors

#	ARTICLE	IF	CITATIONS
1	What Drives Proteins into the Major or Minor Grooves of DNA?. Journal of Molecular Biology, 2007, 365, 1-9.	4.2	172
2	Thermodynamics of Drug-DNA Interactions. Journal of Biomolecular Structure and Dynamics, 1983, 1, 487-507.	3.5	82
3	Energetics of solvent and ligand-induced conformational changes in α -lactalbumin. Protein Science, 1999, 8, 554-561.	7.6	69
4	Structural and Functional Characterization of a Recombinant PorB Class 2 Protein from Neisseria meningitidis. Journal of Biological Chemistry, 1997, 272, 10710-10720.	3.4	50
5	Energetics of membrane protein folding and stability. Archives of Biochemistry and Biophysics, 2006, 453, 32-53.	3.0	48
6	Energetics of Lesion Recognition by a DNA Repair Protein: Thermodynamic Characterization of Formamidopyrimidine-glycosylase (Fpg) Interactions with Damaged DNA Duplexes. Journal of Molecular Biology, 2003, 328, 1047-1060.	4.2	41
7	The thermodynamics of template-directed DNA synthesis: Base insertion and extension enthalpies. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14719-14724.	7.1	41
8	Substrate-Activated Conformational Switch on Chaperones Encodes a Targeting Signal in Type III Secretion. Cell Reports, 2013, 3, 709-715.	6.4	39
9	Thermodynamic characterization of daunomycin-DNA interactions: microcalorimetric measurements of daunomycin-DNA binding enthalpies. Biochemistry, 1991, 30, 9799-9809.	2.5	36
10	Characterization of the Structure, Function, and Conformational Stability of PorB Class 3 Protein from Neisseria meningitidis. Journal of Biological Chemistry, 1998, 273, 25329-25338.	3.4	34
11	Acid-Induced Changes in Thermal Stability and Fusion Activity of Influenza Hemagglutinin. Biochemistry, 2002, 41, 2044-2054.	2.5	32
12	Heat Shock Protein 90 kDa (Hsp90) Has a Second Functional Interaction Site with the Mitochondrial Import Receptor Tom70. Journal of Biological Chemistry, 2016, 291, 18620-18631.	3.4	32
13	Structural Instability Tuning as a Regulatory Mechanism in Protein-Protein Interactions. Molecular Cell, 2011, 44, 734-744.	9.7	31
14	Energetic signatures of single base bulges: thermodynamic consequences and biological implications. Nucleic Acids Research, 2010, 38, 97-116.	14.5	27
15	Novel post-synthetic generation, isomeric resolution, and characterization of Fapy-dG within oligodeoxynucleotides: differential anomeric impacts on DNA duplex properties. Nucleic Acids Research, 2011, 39, 5776-5789.	14.5	25
16	A continuous hyperchromicity assay to characterize the kinetics and thermodynamics of DNA lesion recognition and base excision. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 70-75.	7.1	21
17	Extension of ThermoML: The IUPAC standard for thermodynamic data communications (IUPAC) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.9	19
18	Impact of α -hydroxy- ϵ -propanodeoxyguanine adducts on DNA duplex energetics: Opposite base modulation and implications for mutagenicity and genotoxicity. Biopolymers, 2010, 93, 370-382.	2.4	18

#	ARTICLE	IF	CITATIONS
19	Impact of bistrand abasic sites and proximate orientation on DNA global structure and duplex energetics. <i>Biopolymers</i> , 2018, 109, e23098.	2.4	15
20	Magnesium Activates Microsecond Dynamics to Regulate Integrin-Collagen Recognition. <i>Structure</i> , 2018, 26, 1080-1090.e5.	3.3	15
21	Impact of thymine glycol damage on <scp>DNA</scp> duplex energetics: Correlations with lesion-induced biochemical and structural consequences. <i>Biopolymers</i> , 2015, 103, 491-508.	2.4	12
22	ThermoML—An XML-Based Approach for Storage and Exchange of Experimental and Critically Evaluated Thermophysical and Thermochemical Property Data. 4. Biomaterials. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 1564-1572.	1.9	11
23	Structural and energetic characterization of nucleic acid-binding to the fingers domain of Moloney murine leukemia virus reverse transcriptase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 57, 15-26.	2.6	9
24	ThermoML: an XML-Based Approach for Storage and Exchange of Experimental and Critically Evaluated Thermophysical and Thermochemical Property Data. 5. Speciation and Complex Equilibria. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 307-316.	1.9	8
25	Massively parallel, computationally guided design of a proenzyme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2116097119.	7.1	6
26	Intrinsic local destabilization of the C-terminus predisposes integrin $\alpha 1$ I domain to a conformational switch induced by collagen binding. <i>Protein Science</i> , 2016, 25, 1672-1681.	7.6	4
27	Characterization of Aurintricarboxylic Acid (ATA) Interactions with Plasma Transporter Protein and SARS-CoV-2 Viral Targets: Correlation of Functional Activity and Binding Energetics. <i>Life</i> , 2022, 12, 872.	2.4	2
28	The Calorimetry Conference Celebrates Professor Robert H. Wood's Eightieth Birthday. <i>Journal of Solution Chemistry</i> , 2015, 44, 903-907.	1.2	1