

Richard D Sheardy

List of Publications by Year in descending order

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27
papers

694
citations

687363

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21
g-index

27
all docs

27
docs citations

27
times ranked

638
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating the thermodynamics of conformational transitions in DNA oligomers. Journal of Chemical Thermodynamics, 2021, 158, 106442.	2.0	0
2	Stability of the Na ⁺ Form of the Human Telomeric G-Quadruplex: Role of Adenines in Stabilizing G-Quadruplex Structure. ACS Omega, 2018, 3, 844-855.	3.5	25
3	Developing Sustainable Pollinator Gardens for Habitat and Education. ACS Symposium Series, 2018, , 73-79.	0.5	0
4	Communicating Your Research to the Public: A Trip to the Mall. ACS Symposium Series, 2018, , 139-145.	0.5	2
5	Linking Temperature, Cation Concentration and Water Activity for the B to Z Conformational Transition in DNA. Molecules, 2018, 23, 1806.	3.8	6
6	Linking pH, Temperature, and K ⁺ Concentration for DNA i-Motif Formation. Journal of Physical Chemistry B, 2017, 121, 7872-7877.	2.6	27
7	Loop Sequence Context Influences the Formation and Stability of the i-Motif for DNA Oligomers of Sequence (CCCXXX) ₄ , where X = A and/or T, under Slightly Acidic Conditions. Journal of Physical Chemistry B, 2016, 120, 7652-7661.	2.6	27
8	The Human Telomere Sequence, (TTAGGG) ₄ , in the Absence and Presence of Cosolutes: A Spectroscopic Investigation. Molecules, 2014, 19, 595-608.	3.8	8
9	How To Build a Transdisciplinary Certificate. ACS Symposium Series, 2012, , 55-63.	0.5	0
10	A single base permutation in any loop of a folded intramolecular quadruplex influences its structure and stability. Journal of Biophysical Chemistry, 2012, 03, 341-347.	0.5	5
11	A CD Spectroscopic Investigation of Intermolecular and Intramolecular DNA Quadruplexes. ACS Symposium Series, 2011, , 51-67.	0.5	2
12	Science, Society, and Sustainability:. ACS Symposium Series, 2011, , 129-138.	0.5	0
13	SENCER at TWU. ACS Symposium Series, 2010, , 35-43.	0.5	0
14	Biophysical Characterization of the Human Telomeric (TTAGGG) ₄ Repeat in a Potassium Solution. Biochemistry, 2007, 46, 4654-4660.	2.5	87
15	Enthalpy of the B-to-Z Conformational Transition of a DNA Oligonucleotide Determined by Isothermal Titration Calorimetry. Biophysical Journal, 2006, 91, 3383-3389.	0.5	13
16	Porphyrin Binding to Quadruplexed T4G4. Biochemistry, 1998, 37, 2709-2714.	2.5	217
17	Effect of Base Pair A/C and G/T Mismatches on the Thermal Stabilities of DNA Oligomers That Form B [~] Z Junctions. Biochemistry, 1997, 36, 11419-11427.	2.5	18
18	Assessing the sequence specificity in the binding of Co(III) to DNA via a thermodynamic approach. , 1997, 42, 549-559.		4

#	ARTICLE	IF	CITATIONS
19	Sequence and Environmental Effects on the Self-Assembly of DNA Oligomers Possessing GxT2GySegments. <i>Biochemistry</i> , 1996, 35, 10484-10492.	2.5	24
20	Binding of Co(III) to a DNA Oligomer via Reaction of [Co(NH ₃) ₅ (OH ₂)] ³⁺ with (5MedC-dG) ₄ . <i>Biochemistry</i> , 1995, 34, 13841-13846.	2.5	12
21	Self-Assembly of DNA Oligomers into High Molecular Weight Species. <i>Biochemistry</i> , 1995, 34, 3655-3662.	2.5	42
22	A Thermodynamic Investigation of the Melting of B-Z Junction Forming DNA Oligomers. <i>Biochemistry</i> , 1994, 33, 1385-1391.	2.5	42
23	Sequence Dependence of the Free Energy of B-Z Junction Formation in Deoxyoligonucleotides. <i>Journal of Molecular Biology</i> , 1993, 231, 475-488.	4.2	36
24	The Interface Between an Alternating CG Motif and a Random Sequence Motif Displays Altered Nuclease Activity. <i>Journal of Biomolecular Structure and Dynamics</i> , 1992, 10, 389-402.	3.5	3
25	Energetics of B-Z junction formation in a sixteen base-pair duplex DNA. <i>Journal of Molecular Biology</i> , 1990, 212, 3-6.	4.2	19
26	Temperature-dependent CD and NMR studies on a synthetic oligonucleotide containing a B-Z junction at high salt. <i>Biochemistry</i> , 1989, 28, 720-725.	2.5	42
27	Preliminary spectroscopic characterization of a synthetic DNA oligomer containing a B-Z junction at high salt. <i>Nucleic Acids Research</i> , 1988, 16, 1153-1167.	14.5	33