Richard D Sheardy

List of Publications by Year
in descending order

27	694	687363 13	713466 21
papers	citations	h-index	g-index

27	27	27	638
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Porphyrin Binding to Quadruplexed T4G4. Biochemistry, 1998, 37, 2709-2714.	2.5	217
2	Biophysical Characterization of the Human Telomeric (TTAGGG)4 Repeat in a Potassium Solution. Biochemistry, 2007, 46, 4654-4660.	2.5	87
3	Temperature-dependent CD and NMR studies on a synthetic oligonucleotide containing a B-Z junction at high salt. Biochemistry, 1989, 28, 720-725.	2.5	42
4	A Thermodynamic Investigation of the Melting of B-Z Junction Forming DNA Oligomers. Biochemistry, 1994, 33, 1385-1391.	2.5	42
5	Self-Assembly of DNA Oligomers into High Molecular Weight Species. Biochemistry, 1995, 34, 3655-3662.	2.5	42
6	Sequence Dependence of the Free Energy of B-Z Junction Formation in Deoxyoligonucleotides. Journal of Molecular Biology, 1993, 231, 475-488.	4.2	36
7	Preliminary spectroscopic characterization of a synthetic DNA oligomer containing a Bâ€“Z junction at high salt. Nucleic Acids Research, 1988, 16, 1153-1167.	14.5	33
8	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
9	Linking pH, Temperature, and K⁺ Concentration for DNA i-Motif Formation. Journal of Physical Chemistry B, 2017, 121, 7872-7877.	2.6	27
10	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
11	Sequence and Environmental Effects on the Self-Assembly of DNA Oligomers Possessing GxT2GySegments. Biochemistry, 1996, 35, 10484-10492.	2.5	24
12	Energetics of B-Z junction formation in a sixteen base-pair duplex DNA. Journal of Molecular Biology, 1990, 212, 3-6.	4.2	19
13	Effect of Base Pair A/C and G/T Mismatches on the Thermal Stabilities of DNA Oligomers That Form Bâ^'Z Junctionsâ€. Biochemistry, 1997, 36, 11419-11427.	2.5	18
14	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
15	Binding of Co(III) to a DNA Oligomer via Reaction of [Co(NH3)5(OH2)]3+ with (5MedC-dG)4. Biochemistry, 1995, 34, 13841-13846.	2.5	12
16	The Human Telomere Sequence, (TTAGGG)4, in the Absence and Presence of Cosolutes: A Spectroscopic Investigation. Molecules, 2014, 19, 595-608.	3.8	8
17	Linking Temperature, Cation Concentration and Water Activity for the B to Z Conformational Transition in DNA. Molecules, 2018, 23, 1806.	3.8	6
18	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

#	Article	IF	Citations
19	Assessing the sequence specificity in the binding of Co(III) to DNA via a thermodynamic approach. , 1997, 42, 549-559.		4
20	The Interface Between an Alternating CG Motif and a Random Sequence Motif Displays Altered Nuclease Activity. Journal of Biomolecular Structure and Dynamics, 1992, 10, 389-402.	3.5	3
21	A CD Spectroscopic Investigation of Intermolecular and Intramolecular DNA Quadruplexes. ACS Symposium Series, 2011, , 51-67.	0.5	2
22	Communicating Your Research to the Public: A Trip to the Mall. ACS Symposium Series, 2018, , 139-145.	0.5	2
23	SENCER at TWU. ACS Symposium Series, 2010, , 35-43.	0.5	0
24	Science, Society, and Sustainability:. ACS Symposium Series, 2011, , 129-138.	0.5	0
25	How To Build a Transdisciplinary Certificate. ACS Symposium Series, 2012, , 55-63.	0.5	0
26	Developing Sustainable Pollinator Gardens for Habitat and Education. ACS Symposium Series, 2018, , 73-79.	0.5	0
27	Investigating the thermodynamics of conformational transitions in DNA oligomers. Journal of Chemical Thermodynamics, 2021, 158, 106442.	2.0	0