

John SantaLucia

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

4,247
citations

840119

11
h-index

1125271

13
g-index

13
all docs

13
docs citations

13
times ranked

3878
citing authors

#	ARTICLE	IF	CITATIONS
1	The Thermodynamics of DNA Structural Motifs. Annual Review of Biophysics and Biomolecular Structure, 2004, 33, 415-440.	18.3	1,092
2	Improved Nearest-Neighbor Parameters for Predicting DNA Duplex Stability. Biochemistry, 1996, 35, 3555-3562.	1.2	804
3	Thermodynamics and NMR of Internal G•T Mismatches in DNA. Biochemistry, 1997, 36, 10581-10594.	1.2	564
4	Nearest-Neighbor Thermodynamics and NMR of DNA Sequences with Internal A•A, C•C, G•G, and T•T Mismatches. Biochemistry, 1999, 38, 3468-3477.	1.2	541
5	Hachimoji DNA and RNA: A genetic system with eight building blocks. Science, 2019, 363, 884-887.	6.0	337
6	Nearest-Neighbor Thermodynamics of Internal A•C Mismatches in DNA: Sequence Dependence and pH Effects. Biochemistry, 1998, 37, 9435-9444.	1.2	243
7	Nearest Neighbor Thermodynamic Parameters for Internal G•A Mismatches in DNA. Biochemistry, 1998, 37, 2170-2179.	1.2	229
8	AMBER Force Field Parameters for the Naturally Occurring Modified Nucleosides in RNA. Journal of Chemical Theory and Computation, 2007, 3, 1464-1475.	2.3	168
9	RNA-Puzzles Round III: 3D RNA structure prediction of five riboswitches and one ribozyme. Rna, 2017, 23, 655-672.	1.6	158
10	Physical Principles and Visual-OMP Software for Optimal PCR Design. Methods in Molecular Biology, 2007, 402, 3-33.	0.4	85
11	Effect of Mismatched Complementary Strands and 5'-Change in Sequence Context on the Thermodynamics and Structure of Benzo[a]pyrene-Modified Oligonucleotides. Biochemistry, 1998, 37, 8575-8583.	1.2	23
12	How much free energy is absorbed upon breaking DNA base pairs?. Physics of Life Reviews, 2018, 25, 29-33.	1.5	2