

Karol Pasternak

List of Publications by Year in descending order

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280
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#	ARTICLE	IF	CITATIONS
1	The influence of locked nucleic acid residues on the thermodynamic properties of 2'-O-methyl RNA/RNA heteroduplexes. <i>Nucleic Acids Research</i> , 2005, 33, 5082-5093.	6.5	104
2	Contributions of Stacking, Preorganization, and Hydrogen Bonding to the Thermodynamic Stability of Duplexes between RNA and 2'-O-Methyl RNA with Locked Nucleic Acids. <i>Biochemistry</i> , 2009, 48, 4377-4387.	1.2	43
3	A chemical synthesis of LNA-2,6-diaminopurine riboside, and the influence of 2'-O-methyl-2,6-diaminopurine and LNA-2,6-diaminopurine ribosides on the thermodynamic properties of 2'-O-methyl RNA/RNA heteroduplexes. <i>Nucleic Acids Research</i> , 2007, 35, 4055-4063.	6.5	34
4	The Thermodynamics of 3'-Terminal Pyrene and Guanosine for the Design of Isoenergetic 2'-O-Methyl-RNA-LNA Chimeric Oligonucleotide Probes of RNA Structure. <i>Biochemistry</i> , 2008, 47, 1249-1258.	1.2	25
5	A Locked Nucleic Acid-Based Nanocrawler: Designed and Reversible Movement Detected by Multicolor Fluorescence. <i>Journal of the American Chemical Society</i> , 2013, 135, 2423-2426.	6.6	21
6	Photoligation of self-assembled DNA constructs containing anthracene-functionalized 2'-amino-LNA monomers. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 7407-7415.	1.4	11
7	Unraveling the structural basis for the exceptional stability of RNA G-quadruplexes capped by a uridine tetrad at the 3' terminus. <i>Rna</i> , 2019, 25, 121-134.	1.6	8
8	The origin of the high stability of 3'-terminal uridine tetrads: contributions of hydrogen bonding, stacking interactions, and steric factors evaluated using modified oligonucleotide analogs. <i>Rna</i> , 2020, 26, 2000-2016.	1.6	3
9	Amino-functional Silsesquioxanes (POSS)-Effective Glass Surface Modifiers in Solidphase Nucleic Acid Synthesis. <i>Current Organic Chemistry</i> , 2017, 21, .	0.9	3