

Mark A Ditzler

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

601
citations

840585

11
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1125617

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14
all docs

14
docs citations

14
times ranked

797
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In vitro</i> selections with RNAs of variable length converge on a robust catalytic core. <i>Nucleic Acids Research</i> , 2021, 49, 674-683.	6.5	5
2	Big on Change, Small on Innovation: Evolutionary Consequences of RNA Sequence Duplication. <i>Journal of Molecular Evolution</i> , 2019, 87, 240-253.	0.8	3
3	Selection of 2'-Deoxy-2'-Fluoroarabino Nucleic Acid (FANA) Aptamers that Bind HIV-1 Integrase with Picomolar Affinity. <i>ACS Chemical Biology</i> , 2019, 14, 2166-2175.	1.6	31
4	Evolution of ribozymes in the presence of a mineral surface. <i>Rna</i> , 2016, 22, 1893-1901.	1.6	14
5	<i>In vitro</i> evolution of distinct self-cleaving ribozymes in diverse environments. <i>Nucleic Acids Research</i> , 2015, 43, 7070-7082.	6.5	21
6	RNA Replicase Ribozyme. , 2015, , 2194-2196.		0
7	High-throughput sequence analysis reveals structural diversity and improved potency among RNA inhibitors of HIV reverse transcriptase. <i>Nucleic Acids Research</i> , 2013, 41, 1873-1884.	6.5	57
8	Potent Inhibition of HIV-1 Reverse Transcriptase and Replication by Nonpseudoknot, Ψ -UCAA-motif RNA Aptamers. <i>Molecular Therapy - Nucleic Acids</i> , 2013, 2, e71.	2.3	30
9	Broad-spectrum aptamer inhibitors of HIV reverse transcriptase closely mimic natural substrates. <i>Nucleic Acids Research</i> , 2011, 39, 8237-8247.	6.5	38
10	Conformational dynamics of single pre-mRNA molecules during <i>in vitro</i> splicing. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 504-512.	3.6	90
11	Molecular Dynamics and Quantum Mechanics of RNA: Conformational and Chemical Change We Can Believe In. <i>Accounts of Chemical Research</i> , 2010, 43, 40-47.	7.6	155
12	Molecular dynamics suggest multifunctionality of an adenine imino group in acid-base catalysis of the hairpin ribozyme. <i>Rna</i> , 2009, 15, 560-575.	1.6	40
13	A rugged free energy landscape separates multiple functional RNA folds throughout denaturation. <i>Nucleic Acids Research</i> , 2008, 36, 7088-7099.	6.5	73
14	Focus on function: Single molecule RNA enzymology. <i>Biopolymers</i> , 2007, 87, 302-316.	1.2	44