

Edward P Nikonowicz

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

929
citations

567281

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19
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22
docs citations

22
times ranked

1018
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of ¹³ C and ¹⁵ N labelled RNAs for heteronuclear multi-dimensional NMR studies. <i>Nucleic Acids Research</i> , 1992, 20, 4507-4513.	14.5	328
2	Solution Conformations of Unmodified and A37N6-dimethylallyl Modified Anticodon Stem-loops of <i>Escherichia coli</i> tRNA ^{Phe} . <i>Journal of Molecular Biology</i> , 2002, 319, 1015-1034.	4.2	86
3	Structure determination of noncanonical RNA motifs guided by ¹ H NMR chemical shifts. <i>Nature Methods</i> , 2014, 11, 413-416.	19.0	72
4	Phosphorothioate Substitution Can Substantially Alter RNA Conformation. <i>Biochemistry</i> , 2000, 39, 5642-5652.	2.5	69
5	Recognition modes of <sc>RNA</sc> tetraloops and tetraloop-like motifs by <sc>RNA</sc>-binding proteins. <i>Wiley Interdisciplinary Reviews RNA</i> , 2014, 5, 49-67.	6.4	57
6	Solution Structure of the K-Turn and Specifier Loop Domains from the <i>Bacillus subtilis</i> tyrS T-Box Leader RNA. <i>Journal of Molecular Biology</i> , 2011, 408, 99-117.	4.2	36
7	NMR Structure and Dynamics of an RNA Motif Common to the Spliceosome Branch-point Helix and the RNA-Binding Site for Phage GA Coat Protein. <i>Biochemistry</i> , 1998, 37, 13486-13498.	2.5	32
8	Conformation Effects of Base Modification on the Anticodon Stem-Loop of <i>Bacillus subtilis</i> tRNA ^{Tyr} . <i>Journal of Molecular Biology</i> , 2011, 412, 285-303.	4.2	31
9	Hierarchical mechanism of amino acid sensing by the T-box riboswitch. <i>Nature Communications</i> , 2018, 9, 1896.	12.8	30
10	NMR structure and dynamics of the Specifier Loop domain from the <i>Bacillus subtilis</i> tyrS T box leader RNA. <i>Nucleic Acids Research</i> , 2010, 38, 3388-3398.	14.5	28
11	NMR structure determination of the binding site for ribosomal protein S8 from <i>Escherichia coli</i> 16 S rRNA. <i>Journal of Molecular Biology</i> , 1998, 280, 639-654.	4.2	26
12	Structure analysis of free and bound states of an RNA aptamer against ribosomal protein S8 from <i>Bacillus anthracis</i> . <i>Nucleic Acids Research</i> , 2014, 42, 10795-10808.	14.5	26
13	OncomiR-10b hijacks the small molecule inhibitor linifanib in human cancers. <i>Scientific Reports</i> , 2018, 8, 13106.	3.3	23
14	Solution Nuclear Magnetic Resonance Analyses of the Anticodon Arms of Proteinogenic and Nonproteinogenic tRNA ^{Gly} . <i>Biochemistry</i> , 2012, 51, 3662-3674.	2.5	20
15	Capture and Release of tRNA by the T-Loop Receptor in the Function of the T-Box Riboswitch. <i>Biochemistry</i> , 2017, 56, 3549-3558.	2.5	18
16	Preparation and Use of ² H-Labeled RNA Oligonucleotides in Nuclear Magnetic Resonance Studies. <i>Methods in Enzymology</i> , 2002, 338, 320-341.	1.0	15
17	Solution NMR determination of hydrogen bonding and base pairing between the <i>glyQS</i> T box riboswitch Specifier domain and the anticodon loop of tRNA ^{Gly} . <i>FEBS Letters</i> , 2013, 587, 3495-3499.	2.8	15
18	Enhanced spectral resolution in RNA HCP spectra for measurement of ³ J _{C2'P} and ³ J _{C4'P} couplings and ³¹ P chemical shift changes upon weak alignment. <i>Journal of Biomolecular NMR</i> , 2004, 30, 61-70.	2.8	13

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19	How Ribosomal Proteins and rRNA Recognize One Another. , 0, , 93-104.		2
20	Structure and Dynamics of the Tetra-A Loop and (A-A)-U Sequence Motif within the Coliphage GA Replicase RNA Operator. <i>Biochemistry</i> , 2017, 56, 2690-2700.	2.5	1
21	2-Amino-1,3-benzothiazole-6-carboxamide Preferentially Binds the Tandem Mismatch Motif r(UY:GA). <i>Biochemistry</i> , 2020, 59, 3225-3234.	2.5	1
22	Structural studies of an RNA aptamer with high affinity for the B. anthracis ribosomal protein S8.. <i>FASEB Journal</i> , 2010, 24, 499.1.	0.5	0