Kathleen B Hall

List of Publications by Year
in descending order

31 papers	1,048 citations	586496 16 h-index	488211 31 g-index
135 all docs	135 docs citations	135 times ranked	1630 citing authors

#	Article	IF	Citations
1	The SARS-CoV-2 nucleocapsid protein is dynamic, disordered, and phase separates with RNA. Nature Communications, 2021, 12, 1936.	5.8	334
2	Reweighting of molecular simulations with explicit-solvent SAXS restraints elucidates ion-dependent RNA ensembles. Nucleic Acids Research, 2021, 49, e84-e84.	6.5	25
3	Ribosomal Protein L11 Selectively Stabilizes a Tertiary Structure of the GTPase Center rRNA Domain. Journal of Molecular Biology, 2020, 432, 991-1007.	2.0	7
4	Divalent ions tune the kinetics of a bacterial GTPase center rRNA folding transition from secondary to tertiary structure. Rna, 2018, 24, 1828-1838.	1.6	20
5	Molecular principles underlying dual RNA specificity in the Drosophila SNF protein. Nature Communications, 2018, 9, 2220.	5.8	7
6	Computational Assessment of Potassium and Magnesium Ion Binding to a Buried Pocket in GTPase-Associating Center RNA. Journal of Physical Chemistry B, 2017, 121, 451-462.	1.2	15
7	RNA and Proteins: Mutual Respect. F1000Research, 2017, 6, 345.	0.8	8
8	Nucleobases Undergo Dynamic Rearrangements during RNA Tertiary Folding. Journal of Molecular Biology, 2016, 428, 4490-4502.	2.0	5
9	Divalent Ion Dependent Conformational Changes in an RNA Stem-Loop Observed by Molecular Dynamics. Journal of Chemical Theory and Computation, 2016, 12, 3382-3389.	2.3	48
10	Mighty tiny. Rna, 2015, 21, 630-631.	1.6	21
11	2-Aminopurine Fluorescence as a Probe of Local RNA Structure and Dynamics and Global Folding. Methods in Enzymology, 2015, 558, 99-124.	0.4	7
12	Formation of Tertiary Interactions during rRNA GTPase Center Folding. Journal of Molecular Biology, 2015, 427, 2799-2815.	2.0	6
13	Effect of Loop Composition on the Stability and Folding Kinetics of RNA Hairpins with Large Loops. Biochemistry, 2015, 54, 1886-1896.	1.2	10
14	Stem-Loop V of Varkud Satellite RNA Exhibits Characteristics of the Mg²⁺ Bound Structure in the Presence of Monovalent Ions. Journal of Physical Chemistry B, 2015, 119, 12355-12364.	1.2	22
15	Climbing the vertebrate branch of U1A/U2Bâ€³ protein evolution. Rna, 2014, 20, 1035-1045.	1.6	10
16	Protein binding cannot subdue a lively RNA. Nature, 2014, 506, 303-304.	13.7	3
17	Linkage and Allostery in snRNP Protein/RNA Complexes. Biochemistry, 2014, 53, 3529-3539.	1.2	14
18	RNA does the folding dance of twist, turn, stack. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16706-16707.	3.3	8

#	Article	IF	Citations
19	Spectroscopic Probes of RNA Structure and Dynamics. Methods in Molecular Biology, 2012, 875, 67-84.	0.4	6
20	Interactions between PTB RRMs Induce Slow Motions and Increase RNA Binding Affinity. Journal of Molecular Biology, 2010, 397, 260-277.	2.0	18
21	The Domains of Polypyrimidine Tract Binding Protein Have Distinct RNA Structural Preferences. Biochemistry, 2009, 48, 2063-2074.	1.2	36
22	2-Aminopurine as a Probe of RNA Conformational Transitions. Methods in Enzymology, 2009, 469, 269-285.	0.4	37
23	RNA in motion. Current Opinion in Chemical Biology, 2008, 12, 612-618.	2.8	53
24	Dynamics of the IRE RNA hairpin loop probed by 2-aminopurine fluorescence and stochastic dynamics simulations. Rna, 2004, 10, 34-47.	1.6	47
25	RNAâ€"protein interactions. Current Opinion in Structural Biology, 2002, 12, 283-288.	2.6	89
26	Thermodynamics of 2â€²-ribose substitutions in UUCG tetraloops. Rna, 2001, 7, 44-53.	1.6	27
27	Spatial Orientation and Dynamics of the U1A Proteins in the U1Aâ^'UTR Complexâ€. Biochemistry, 2000, 39, 7320-7329.	1.2	4
28	Global and local dynamics of the human U1A protein determined by tryptophan fluorescence. Protein Science, 1999, 8, 2110-2120.	3.1	14
29	A Model of the Iron Responsive Element RNA Hairpin Loop Structure Determined from NMR and Thermodynamic Data. Biochemistry, 1996, 35, 13586-13596.	1.2	70
30	Thermodynamic Comparison of the Salt Dependence of Natural RNA Hairpins and RNA Hairpins with Non-Nucleotide Spacersâ€. Biochemistry, 1996, 35, 14665-14670.	1.2	42
31	Contribution of the tyrosines to the structure and function of the human U1A Nâ€terminal RNA binding domain. Protein Science, 1996, 5, 1567-1583.	3.1	34