Scott D Kennedy

List of Publications by Year
in descending order

40	1,342	331538	360920
papers	citations	21 h-index	35 g-index

41	41	41	1233
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nuclear Magnetic Resonance Spectra and AMBER OL3 and ROC-RNA Simulations of UCUCGU Reveal Force Field Strengths and Weaknesses for Single-Stranded RNA. Journal of Chemical Theory and Computation, 2022, 18, 1241-1254.	2.3	11
2	Nuclear Magnetic Resonance reveals a two hairpin equilibrium near the 3'-splice site of Influenza A segment 7 mRNA that can be shifted by oligonucleotides. Rna, 2022, , rna.078951.121.	1.6	1
3	Secondary structure prediction for RNA sequences including N6-methyladenosine. Nature Communications, 2022, 13, 1271.	5.8	27
4	Nuclear Magnetic Resonance of Single-Stranded RNAs and DNAs of CAAU and UCAAUC as Benchmarks for Molecular Dynamics Simulations. Journal of Chemical Theory and Computation, 2020, 16, 1968-1984.	2.3	22
5	Synthesis and RNA-Binding Properties of Extended Nucleobases for Triplex-Forming Peptide Nucleic Acids. Journal of Organic Chemistry, 2019, 84, 13276-13298.	1.7	20
6	Nuclear Magnetic Resonance Reveals That GU Base Pairs Flanking Internal Loops Can Adopt Diverse Structures. Biochemistry, 2019, 58, 1094-1108.	1.2	10
7	Synthetic, Structural, and RNA Binding Studies on 2â€Aminopyridineâ€Modified Triplexâ€Forming Peptide Nucleic Acids. Chemistry - A European Journal, 2019, 25, 4367-4372.	1.7	33
8	Dynamic stacking of an expected branch point adenosine in duplexes containing pseudouridine-modified or unmodified U2 snRNA sites. Biochemical and Biophysical Research Communications, 2019, 511, 416-421.	1.0	12
9	Molecular dynamics correctly models the unusual major conformation of the GAGU RNA internal loop and with NMR reveals an unusual minor conformation. Rna, 2018, 24, 656-672.	1.6	9
10	A Single Amide Linkage in the Passenger Strand Suppresses Its Activity and Enhances Guide Strand Targeting of siRNAs. ACS Chemical Biology, 2018, 13, 533-536.	1.6	23
11	Surprising Sequence Effects on GU Closure of Symmetric 2 Ã— 2 Nucleotide RNA Internal Loops. Biochemistry, 2018, 57, 2121-2131.	1.2	4
12	Conformational ensembles of RNA oligonucleotides from integrating NMR and molecular simulations. Science Advances, 2018, 4, eaar8521.	4.7	99
13	Amide linkages mimic phosphates in RNA interactions with proteins and are well tolerated in the guide strand of short interfering RNAs. Nucleic Acids Research, 2017, 45, 8142-8155.	6.5	33
14	2â€Methoxypyridine as a Thymidine Mimic in Watsonâ€“Crick Base Pairs of DNA and PNA: Synthesis, Thermal Stability, and NMR Structural Studies. ChemBioChem, 2017, 18, 2165-2170.	1.3	3
15	Nuclear Magnetic Resonance Structure of an 8 Ã— 8 Nucleotide RNA Internal Loop Flanked on Each Side by Three Watsonâ€“Crick Pairs and Comparison to Three-Dimensional Predictions. Biochemistry, 2017, 56, 3733-3744.	1.2	4
16	NMR Methods for Characterization of RNA Secondary Structure. Methods in Molecular Biology, 2016, 1490, 253-264.	0.4	3
17	Disagreement Between the Structure of the dTpT Thymine Pair Determined by NMR and Molecular Dynamics Simulations Using Amber 14 Force Fields. Journal of Physical Chemistry B, 2016, 120, 1250-1258.	1.2	16
18	Structural Features of a 3â€² Splice Site in Influenza A. Biochemistry, 2015, 54, 3269-3285.	1.2	15

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19	Stacking in RNA: NMR of Four Tetramers Benchmark Molecular Dynamics. Journal of Chemical Theory and Computation, 2015, 11, 2729-2742.	2.3	99
20	Nuclear Magnetic Resonance-Assisted Prediction of Secondary Structure for RNA: Incorporation of Direction-Dependent Chemical Shift Constraints. Biochemistry, 2015, 54, 6769-6782.	1.2	13
21	Structure determination of noncanonical RNA motifs guided by 1H NMR chemical shifts. Nature Methods, 2014, 11, 413-416.	9.0	72
22	Optimization of an AMBER Force Field for the Artificial Nucleic Acid, LNA, and Benchmarking with NMR of L(CAAU). Journal of Physical Chemistry B, 2014, 118, 1216-1228.	1.2	32
23	Secondary Structure of a Conserved Domain in an Intron of Influenza A M1 mRNA. Biochemistry, 2014, 53, 5236-5248.	1.2	24
24	The Nuclear Magnetic Resonance of CCCC RNA Reveals a Right-Handed Helix, and Revised Parameters for AMBER Force Field Torsions Improve Structural Predictions from Molecular Dynamics. Biochemistry, 2013, 52, 996-1010.	1.2	78
25	Novel Conformation of an RNA Structural Switch. Biochemistry, 2012, 51, 9257-9259.	1.2	16
26	Testing the Nearest Neighbor Model for Canonical RNA Base Pairs: Revision of GU Parameters. Biochemistry, 2012, 51, 3508-3522.	1.2	80
27	Benchmarking AMBER Force Fields for RNA: Comparisons to NMR Spectra for Single-Stranded r(GACC) Are Improved by Revised Ï‡ Torsions. Journal of Physical Chemistry B, 2011, 115, 9261-9270.	1.2	95
28	NMR structure of a 4 Ã— 4 nucleotide RNA internal loop from an R2 retrotransposon: Identification of a three purineâ€“purine sheared pair motif and comparison to MC-SYM predictions. Rna, 2011, 17, 1664-1677.	1.6	24
29	Reparameterization of RNA Ï‡ Torsion Parameters for the AMBER Force Field and Comparison to NMR Spectra for Cytidine and Uridine. Journal of Chemical Theory and Computation, 2010, 6, 1520-1531.	2.3	155
30	Highâ€resolution MRS in the presence of field inhomogeneity via intermolecular doubleâ€quantum coherences on a 3â€T wholeâ€body scanner. Magnetic Resonance in Medicine, 2010, 63, 303-311.	1.9	18
31	RNA Internal Loops with Tandem AG Pairs: The Structure of the 5â€²G<u>AG</u>U/3â€²U<u>GA</u>G Loop Can Be Dramatically Different from Others, Including 5â€²A<u>AG</u>U/3â€²U<u>GA</u>A. Biochemistry, 2010, 49, 5817-5827.	1.2	31
32	NMR-Assisted Prediction of RNA Secondary Structure: Identification of a Probable Pseudoknot in the Coding Region of an R2 Retrotransposon. Journal of the American Chemical Society, 2008, 130, 10233-10239.	6.6	45
33	NMR Structures of (rGCUGAGGCU)2and (rGCGGAUGCU)2:Â Probing the Structural Features That Shape the Thermodynamic Stability of GA Pairsâ€‚â€¡. Biochemistry, 2007, 46, 1511-1522.	1.2	33
34	Theoretical studies of the effect of the dipolar field in multiple spin-echo sequences with refocusing pulses of finite duration. Journal of Magnetic Resonance, 2007, 185, 247-258.	1.2	9
35	Diffusion measurements free of motion artifacts using intermolecular dipole-dipole interactions. Magnetic Resonance in Medicine, 2004, 52, 1-6.	1.9	28
36	Enhanced sensitivity to molecular diffusion with intermolecular double-quantum coherences: implications and potential applications. Magnetic Resonance Imaging, 2001, 19, 33-39.	1.0	37

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37	Quantitation of intermolecular dipolar effects in NMR spectroscopy and high order MSE MR imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2000, 11, 122-128.	1.1	9
38	Source of Transport Site Asymmetry in the Band 3 Anion Exchange Protein Determined by NMR Measurements of External Cl-Affinityâ€. Biochemistry, 1996, 35, 15228-15235.	1.2	25
39	Structural effects of hydration: Studies of lysozyme by13C solids nmr. Biopolymers, 1990, 29, 1801-1806.	1.2	59
40	Hydration effects on dynamics of polyglycine and sodium poly(L-glutamate). Biopolymers, 1990, 30, 691-701.	1.2	7