Sarah A Woodson

List of Publications by Year
in descending order

156 papers	9,420 citations	23567 58 h-index	46799 89 g-index
172 all docs	172 docs citations	172 times ranked	5030 citing authors

#	Article	IF	Citations
1	RNA Folding at Millisecond Intervals by Synchrotron Hydroxyl Radical Footprinting. Science, 1998, 279, 1940-1943.	12.6	378
2	Metal ions and RNA folding: a highly charged topic with a dynamic future. Current Opinion in Chemical Biology, 2005, 9, 104-109.	6.1	337
3	Positive regulation by small RNAs and the role of Hfq. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9602-9607.	7.1	253
4	Reverse self-splicing of the tetrahymena group I intron: Implication for the directionality of splicing and for intron transposition. Cell, 1989, 57, 335-345.	28.9	198
5	Folding intermediates of a self-splicing RNA: mispairing of the catalytic core. Journal of Molecular Biology, 1998, 280, 597-609.	4.2	197
6	EARLY EVENTS IN RNA FOLDING. Annual Review of Physical Chemistry, 2001, 52, 751-762.	10.8	195
7	Folding of RNA involves parallel pathways. Journal of Molecular Biology, 1997, 273, 7-13.	4.2	192
8	The <i>rpoS</i> mRNA leader recruits Hfq to facilitate annealing with DsrA sRNA. Rna, 2008, 14, 1907-1917.	3.5	190
9	Role of counterion condensation in folding of the Tetrahymena ribozyme. I. Equilibrium stabilization by cations. Journal of Molecular Biology, 2001, 306, 1157-1166.	4.2	179
10	Molecular Crowding Stabilizes Folded RNA Structure by the Excluded Volume Effect. Journal of the American Chemical Society, 2010, 132, 8690-8696.	13.7	178
11	Cycling of the Sm-like Protein Hfq on the DsrA Small Regulatory RNA. Journal of Molecular Biology, 2004, 344, 1211-1223.	4.2	177
12	Compact Intermediates in RNA Folding. Annual Review of Biophysics, 2010, 39, 61-77.	10.0	176
13	Time-resolved synchrotron X-ray â€œfootprintingâ€, a new approach to the study of nucleic acid structure and function: application to protein-DNA interactions and RNA folding 1 1 Edited by D. E. Draper. Journal of Molecular Biology, 1997, 266, 144-159.	4.2	174
14	Charge Density of Divalent Metal Cations Determines RNA Stability. Journal of the American Chemical Society, 2007, 129, 2676-2682.	13.7	169
15	Concurrent nucleation of 16S folding and induced fit in 30S ribosome assembly. Nature, 2008, 455, 1268-1272.	27.8	161
16	Hfq chaperone brings speed dating to bacterial sRNA. Wiley Interdisciplinary Reviews RNA, 2018, 9, e1475.	6.4	155
17	Assembly of core helices and rapid tertiary folding of a small bacterial group I ribozyme. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1574-1579.	7.1	136
18	Protein-guided RNA dynamics during early ribosome assembly. Nature, 2014, 506, 334-338.	27.8	133

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19	An improved surface passivation method for single-molecule studies. Nature Methods, 2014, 11, 1233-1236.	19.0	120
20	Role of counterion condensation in folding of the Tetrahymena ribozyme II. Counterion-dependence of folding kinetics. Journal of Molecular Biology, 2001, 309, 57-68.	4.2	114
21	Dynamic Transition in tRNA is Solvent Induced. Journal of the American Chemical Society, 2006, 128, 32-33.	13.7	105
22	Conserved arginines on the rim of Hfq catalyze base pair formation and exchange. Nucleic Acids Research, 2013, 41, 7536-7546.	14.5	105
23	Dynamics of Biological Macromolecules: Not a Simple Slaving by Hydration Water. Biophysical Journal, 2010, 98, 1321-1326.	0.5	103
24	Structural model for an oligonucleotide containing a bulged guanosine by NMR and energy minimization. Biochemistry, 1988, 27, 3130-3141.	2.5	100
25	Fast folding of a ribozyme by stabilizing core interactions: evidence for multiple folding pathways in RNA 1 1Edited by I. Tinoco. Journal of Molecular Biology, 2000, 296, 133-144.	4.2	100
26	Effect of transcription on folding of the Tetrahymena ribozyme. Rna, 2003, 9, 722-733.	3.5	96
27	InÂVivo X-Ray Footprinting of Pre-30S Ribosomes Reveals Chaperone-Dependent Remodeling of Late Assembly Intermediates. Molecular Cell, 2013, 52, 506-516.	9.7	96
28	RNA folding and ribosome assembly. Current Opinion in Chemical Biology, 2008, 12, 667-673.	6.1	94
29	Structure and assembly of group I introns. Current Opinion in Structural Biology, 2005, 15, 324-330.	5.7	93
30	DNA sequence specificity of mitomycin cross-linking. Biochemistry, 1989, 28, 3901-3907.	2.5	92
31	Tertiary Interactions Determine the Accuracy of RNA Folding. Journal of the American Chemical Society, 2008, 130, 1296-1303.	13.7	92
32	C-terminal domain of the RNA chaperone Hfq drives sRNA competition and release of target RNA. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6089-E6096.	7.1	92
33	Magnesium-dependent folding of self-splicing RNA: Exploring the link between cooperativity, thermodynamics, and kinetics. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 6149-6154.	7.1	91
34	Folding Mechanism of the Tetrahymena Ribozyme P4â˘P6 Domain. Biochemistry, 2000, 39, 10975-10985.	2.5	91
35	Multiple Folding Pathways for the P4â˘P6 RNA Domain. Biochemistry, 2000, 39, 12465-12475.	2.5	91
36	Loop dependence of the stability and dynamics of nucleic acid hairpins. Nucleic Acids Research, 2007, 36, 1098-1112.	14.5	90

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37	Alternative secondary structures in the 5' exon affect both forward and reverse self-splicing of the Tetrahymena intervening sequence RNA. Biochemistry, 1991, 30, 2042-2050.	2.5	89
38	Cooperative Tertiary Interaction Network Guides RNA Folding. Cell, 2012, 149, 348-357.	28.9	88
39	Taming free energy landscapes with RNA chaperones. RNA Biology, 2010, 7, 677-686.	3.1	87
40	Metal Ion Dependence of Cooperative Collapse Transitions in RNA. Journal of Molecular Biology, 2009, 393, 753-764.	4.2	86
41	Persistence Length Changes Dramatically as RNA Folds. Physical Review Letters, 2005, 95, 268303.	7.8	81
42	Dynamics of tRNA at Different Levels of Hydration. Biophysical Journal, 2009, 96, 2755-2762.	0.5	81
43	Structural Requirement for Mg2+ Binding in the Group I Intron Core. Journal of Molecular Biology, 2003, 329, 229-238.	4.2	79
44	Protein-independent Folding Pathway of the 16S rRNA 5â€² Domain. Journal of Molecular Biology, 2005, 351, 508-519.	4.2	75
45	[19] Following the folding of RNA with time-resolved synchrotron X-ray footprinting. Methods in Enzymology, 1998, 295, 379-402.	1.0	74
46	RNA Folding Pathways and the Self-Assembly of Ribosomes. Accounts of Chemical Research, 2011, 44, 1312-1319.	15.6	74
47	Proton nuclear magnetic resonance studies on bulge-containing DNA oligonucleotides from a mutational hot-spot sequence. Biochemistry, 1987, 26, 904-912.	2.5	72
48	[22] Time-resolved synchrotron X-ray footprinting and its application to RNA folding. Methods in Enzymology, 2000, 317, 353-368.	1.0	72
49	Structural model of an mRNA in complex with the bacterial chaperone Hfq. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17134-17139.	7.1	70
50	The effect of long-range loop-loop interactions on folding of the Tetrahymena self-splicing RNA. Journal of Molecular Biology, 1999, 294, 955-965.	4.2	69
51	Hydroxyl radical footprinting in vivo: mapping macromolecular structures with synchrotron radiation. Nucleic Acids Research, 2006, 34, e64-e64.	14.5	69
52	Major role for mRNA binding and restructuring in sRNA recruitment by Hfq. Rna, 2011, 17, 1544-1550.	3.5	68
53	Fingerprinting the folding of a group I precursor RNA.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 9675-9679.	7.1	67
54	Rapid binding and release of Hfq from ternary complexes during RNA annealing. Nucleic Acids Research, 2011, 39, 5193-5202.	14.5	67

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55	RNA Tertiary Interactions Mediate Native Collapse of a Bacterial Group I Ribozyme. Journal of Molecular Biology, 2005, 353, 1199-1209.	4.2	66
56	Folding of the Tetrahymena Ribozyme by Polyamines: Importance of Counterion Valence and Size. Journal of Molecular Biology, 2004, 341, 27-36.	4.2	65
57	Integration of the Tetrahymena group I intron into bacterial rRNA by reverse splicing in vivo. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 2134-2139.	7.1	63
58	Self-splicing of the Tetrahymena pre-rRNA is decreased by misfolding during transcription. Biochemistry, 1993, 32, 14062-14067.	2.5	59
59	Counterion Charge Density Determines the Position and Plasticity of RNA Folding Transition States. Journal of Molecular Biology, 2006, 359, 446-454.	4.2	59
60	Proteins That Chaperone RNA Regulation. Microbiology Spectrum, 2018, 6, .	3.0	59
61	Distribution of rRNA Introns in the Three-dimensional Structure of the Ribosome. Journal of Molecular Biology, 2002, 323, 35-52.	4.2	58
62	Compaction of a Bacterial Group I Ribozyme Coincides with the Assembly of Core Helices. Biochemistry, 2004, 43, 1746-1753.	2.5	58
63	A highly sensitive probe for guanine N7 in folded structures of RNA: application to tRNAPhe and Tetrahymena group I intron. Biochemistry, 1993, 32, 7610-7616.	2.5	56
64	Architecture and folding mechanism of the Azoarcus Group I Pre-tRNA. Journal of Molecular Biology, 2004, 339, 41-51.	4.2	56
65	Transcription Increases the Cooperativity of Ribonucleoprotein Assembly. Cell, 2019, 179, 1370-1381.e12.	28.9	56
66	Binding of 9-aminoacridine to bulged-base DNA oligomers from a frame-shift hot spot. Biochemistry, 1988, 27, 8904-8914.	2.5	53
67	Acidic C-terminal domains autoregulate the RNA chaperone Hfq. ELife, 2017, 6, .	6.0	53
68	Multistage Collapse of a Bacterial Ribozyme Observed by Time-Resolved Small-Angle X-ray Scattering. Journal of the American Chemical Society, 2010, 132, 10148-10154.	13.7	50
69	Increased Ribozyme Activity in Crowded Solutions. Journal of Biological Chemistry, 2014, 289, 2972-2977.	3.4	50
70	Crowders Perturb the Entropy of RNA Energy Landscapes to Favor Folding. Journal of the American Chemical Society, 2013, 135, 10055-10063.	13.7	49
71	Preferential location of bulged guanosine internal to a G.cntdot.C tract by proton NMR. Biochemistry, 1988, 27, 436-445.	2.5	46
72	Examining the conformational dynamics of macromolecules with time-resolved synchrotron X-ray â€˜footprintingâ€™. Structure, 1997, 5, 865-869.	3.3	46

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73	Maximizing RNA folding rates: A balancing act. Rna, 2000, 6, 790-794.	3.5	46
74	Hfq proximity and orientation controls RNA annealing. Nucleic Acids Research, 2012, 40, 8690-8697.	14.5	46
75	Mimicking Co-Transcriptional RNA Folding Using a Superhelicase. Journal of the American Chemical Society, 2018, 140, 10067-10070.	13.7	44
76	Positional Effects of AAN Motifs in rpoS Regulation by sRNAs and Hfq. Journal of Molecular Biology, 2014, 426, 275-285.	4.2	43
77	The Pseudomonas aeruginosa PrrF1 and PrrF2 Small Regulatory RNAs Promote 2-Alkyl-4-Quinolone Production through Redundant Regulation of the <i>antR</i> mRNA. Journal of Bacteriology, 2018, 200, .	2.2	43
78	Global Stabilization of rRNA Structure by Ribosomal Proteins S4, S17, and S20. Journal of Molecular Biology, 2009, 392, 666-677.	4.2	41
79	Analysis of RNA Folding by Native Polyacrylamide Gel Electrophoresis. Methods in Enzymology, 2009, 469, 189-208.	1.0	41
80	Analysis of Rate-Determining Conformational Changes during Self-Splicing of theTetrahymenaIntronâ€. Biochemistry, 1996, 35, 13469-13477.	2.5	40
81	Effect of salt and RNA structure on annealing and strand displacement by Hfq. Nucleic Acids Research, 2009, 37, 6205-6213.	14.5	40
82	A primer extension assay for modification of guanine by Ni(II) complexes. Nucleic Acids Research, 1993, 21, 5524-5525.	14.5	39
83	Facilitation of Group I Splicing in Vivo: Misfolding of the Tetrahymena IVS and the Role of Ribosomal RNA Exons. Journal of Molecular Biology, 1999, 292, 557-567.	4.2	39
84	Compact but disordered states of RNA. , 2000, 7, 349-352.		38
85	Sequence specificity of in vivo reverse splicing of the Tetrahymena group I intron. Rna, 1999, 5, 1-13.	3.5	37
86	Structural Rearrangements Linked to Global Folding Pathways of the Azoarcus Group I Ribozyme. Journal of Molecular Biology, 2009, 386, 1167-1178.	4.2	37
87	Antiproliferative small-molecule inhibitors of transcription factor LSF reveal oncogene addiction to LSF in hepatocellular carcinoma. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4503-4508.	7.1	37
88	Exon sequence distant from the splic junction are required fo0r efficient self-splicing of theTetrahymena IVA. Nucleic Acids Research, 1992, 20, 4027-4032.	14.5	36
89	Folding path of P5abc RNA involves direct coupling of secondary and tertiary structures. Nucleic Acids Research, 2012, 40, 8011-8020.	14.5	36
90	Arginine Patch Predicts the RNA Annealing Activity of Hfq from Gram-Negative and Gram-Positive Bacteria. Journal of Molecular Biology, 2016, 428, 2259-2264.	4.2	36

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91	Conformation of a bulge-containing oligomer from a hot-spot sequence by NMR and energy minimization. Biopolymers, 1989, 28, 1149-1177.	2.4	35
92	S16 throws a conformational switch during assembly of 30S 5â€² domain. Nature Structural and Molecular Biology, 2009, 16, 438-445.	8.2	35
93	Role of Era in assembly and homeostasis of the ribosomal small subunit. Nucleic Acids Research, 2019, 47, 8301-8317.	14.5	34
94	Hexamer to Monomer Equilibrium of E. coli Hfq in Solution and Its Impact on RNA Annealing. Journal of Molecular Biology, 2012, 417, 406-412.	4.2	33
95	Metals induce transient folding and activation of the twister ribozyme. Nature Chemical Biology, 2017, 13, 1109-1114.	8.0	33
96	Intracellular folding of the Tetrahymena group I intron depends on exon sequence and promoter choice. Rna, 2004, 10, 1526-1532.	3.5	32
97	Structural Analysis of RNA in Living Cells by In Vivo Synchrotron X-Ray Footprinting. Methods in Enzymology, 2009, 468, 239-258.	1.0	32
98	A roadmap for rRNA folding and assembly during transcription. Trends in Biochemical Sciences, 2021, 46, 889-901.	7.5	32
99	Perturbed Folding Kinetics of Circularly Permuted RNAs with Altered Topology. Journal of Molecular Biology, 2003, 328, 385-394.	4.2	31
100	Destabilizing effect of an rRNA stem-loop on an attenuator hairpin in the 5â€² exon of the Tetrahymena pre-rRNA. Rna, 1998, 4, 901-914.	3.5	30
101	Evolution of protein-coupled RNA dynamics during hierarchical assembly of ribosomal complexes. Nature Communications, 2017, 8, 492.	12.8	30
102	Self-splicing of a group I intron reveals partitioning of native and misfolded RNA populations in yeast. Rna, 2006, 12, 2149-2159.	3.5	29
103	Molecular beacons as probes of RNA unfolding under native conditions. Nucleic Acids Research, 2005, 33, 5763-5770.	14.5	28
104	Acidic Residues in the Hfq Chaperone Increase the Selectivity of sRNA Binding and Annealing. Journal of Molecular Biology, 2015, 427, 3491-3500.	4.2	28
105	Lightâ€Triggered RNA Annealing by an RNA Chaperone. Angewandte Chemie - International Edition, 2015, 54, 7281-7284.	13.8	27
106	Probing the structure of ribosome assembly intermediates in vivo using DMS and hydroxyl radical footprinting. Methods, 2016, 103, 49-56.	3.8	27
107	A minimized rRNA-binding site for ribosomal protein S4 and its implications for 30S assembly. Nucleic Acids Research, 2009, 37, 1886-1896.	14.5	26
108	RbfA and IF3 couple ribosome biogenesis and translation initiation to increase stress tolerance. Nucleic Acids Research, 2020, 48, 359-372.	14.5	26

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109	Refolding of rRNA exons enhances dissociation of the Tetrahymena intron. Rna, 2000, 6, 1248-1256.	3.5	25
110	The Dynamics of Unfolded versus Folded tRNA: The Role of Electrostatic Interactions. Journal of the American Chemical Society, 2011, 133, 16406-16409.	13.7	25
111	Stabilization of Hfq-mediated translational repression by the co-repressor Crc in <i>Pseudomonas aeruginosa</i>. Nucleic Acids Research, 2021, 49, 7075-7087.	14.5	24
112	Slow Formation of Stable Complexes during Coincubation of Minimal rRNA and Ribosomal Protein S4. Journal of Molecular Biology, 2011, 412, 453-465.	4.2	23
113	Molecular crowding overcomes the destabilizing effects of mutations in a bacterial ribozyme. Nucleic Acids Research, 2015, 43, 1170-1176.	14.5	23
114	Assembly of the Five-Way Junction in the Ribosomal Small Subunit Using Hybrid MD-Goì… Simulations. Journal of Physical Chemistry B, 2012, 116, 6819-6831.	2.6	22
115	Specific contacts between protein S4 and ribosomal RNA are required at multiple stages of ribosome assembly. Rna, 2013, 19, 574-585.	3.5	21
116	RNase Footprinting of Protein Binding Sites on an mRNA Target of Small RNAs. Methods in Molecular Biology, 2012, 905, 213-224.	0.9	20
117	<i>Caulobacter crescentus</i> Hfq structure reveals a conserved mechanism of RNA annealing regulation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10978-10987.	7.1	20
118	Entropic stabilization of folded RNA in crowded solutions measured by SAXS. Nucleic Acids Research, 2016, 44, gkw597.	14.5	18
119	Stepwise sRNA targeting of structured bacterial mRNAs leads to abortive annealing. Molecular Cell, 2021, 81, 1988-1999.e4.	9.7	18
120	Structure and dynamics of ribosomal RNA. Current Opinion in Structural Biology, 1998, 8, 294-300.	5.7	17
121	Differential effects of ribosomal proteins and Mg²⁺ ions on a conformational switch during 30S ribosome 5â€²-domain assembly. Rna, 2015, 21, 1859-1865.	3.5	16
122	Interactions of recombinant HMGB proteins with branched RNA substrates. Biochemical and Biophysical Research Communications, 2008, 377, 262-267.	2.1	15
123	Light-controlled twister ribozyme with single-molecule detection resolves RNA function in time and space. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12080-12086.	7.1	15
124	A metastable rRNA junction essential for bacterial 30S biogenesis. Nucleic Acids Research, 2018, 46, 5182-5194.	14.5	13
125	Diversity of bacterial small RNAs drives competitive strategies for a mutual chaperone. Nature Communications, 2022, 13, 2449.	12.8	13
126	Requirements for self-splicing of a group I intron fromPhysarum polycephalum. Nucleic Acids Research, 1994, 22, 4315-4320.	14.5	12

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127	Communication Between RNA Folding Domains Revealed by Folding of Circularly Permuted Ribozymes. Journal of Molecular Biology, 2007, 373, 197-210.	4.2	12
128	<scp>RNA</scp> Toxicity and Perturbation of <scp>rRNA</scp> Processing in Spinocerebellar Ataxia Type <scp>2</scp>. Movement Disorders, 2021, 36, 2519-2529.	3.9	11
129	Timeâ€Resolved Hydroxyl Radical Footprinting of RNA with Xâ€Rays. Current Protocols in Nucleic Acid Chemistry, 2018, 73, e52.	0.5	9
130	Stereochemistry in trivalent nitrogen compounds. 39. Configurational biasing of tertiary amide ionophores by alkali metal chelation. Journal of the American Chemical Society, 1983, 105, 7252-7255.	13.7	7
131	Proteins That Chaperone RNA Regulation. , 0, , 383-397.		7
132	The Hfq chaperone helps the ribosome mature. EMBO Journal, 2018, 37, .	7.8	6
133	Macromolecular complexes: How RNA and protein get together. Current Biology, 1996, 6, 23-25.	3.9	4
134	Charge screening in RNA: an integral route for dynamical enhancements. Soft Matter, 2015, 11, 8741-8745.	2.7	4
135	Fluorescence Reporters for Hfq Oligomerization and RNA Annealing. Methods in Molecular Biology, 2015, 1259, 369-383.	0.9	4
136	Probing RNA Folding Pathways by RNA Fingerprinting. Current Protocols in Nucleic Acid Chemistry, 2000, 2, Unit 11.4.	0.5	3
137	Timeâ€Resolved Hydroxyl Radical Footprinting of RNA with Xâ€Rays. Current Protocols in Nucleic Acid Chemistry, 2001, 6, Unit 11.6.	0.5	3
138	Assembly line inspection. Nature, 2005, 438, 566-567.	27.8	3
139	RNA folding retrospective: lessons from ribozymes big and small. Rna, 2015, 21, 502-503.	3.5	3
140	A newborn RNA switches its fate. Nature Chemical Biology, 2019, 15, 1031-1032.	8.0	3
141	New era of molecular structure and dynamics from solution scattering experiments. Biopolymers, 2011, 95, 503-504.	2.4	2
142	Monitoring co-transcriptional folding of riboswitches through helicase unwinding. Methods in Enzymology, 2019, 623, 209-227.	1.0	2
143	Ribosomes clear the way for siRNA targeting. Nature Structural and Molecular Biology, 2020, 27, 775-777.	8.2	2
144	Quantitative Analysis of RNA Chaperone Activity by Native Gel Electrophoresis and Fluorescence Spectroscopy. Methods in Molecular Biology, 2020, 2106, 19-39.	0.9	2

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145	The RNA World, second edition, edited by Raymond F. Gesteland, Thomas R. Cech, and John F. Atkins. 1999. Cold Spring Harbor, New York: Cold Spring Harbor Laboratory Press. Hardcover, 709 pp. $129.. Rna, 1999, 5, 1133-1134.	3.5	1
146	Effects of Preferential Counterion Interactions on the Specificity of RNA Folding. Journal of Physical Chemistry Letters, 2018, 9, 5726-5732.	4.6	1
147	EXPERIMENTAL APPROACHES TO RNA FOLDING. , 2004, , .		1
148	Symposium 3: Non-enzymatic biocatalysts in nature and biotechnology. Fresenius' Journal of Analytical Chemistry, 1990, 337, 12-14.	1.5	0
149	The RNA Chaperone Hfq Makes a Transient Ternary Complex with RNA Strands to Facilitate RNA Annealing. Biophysical Journal, 2011, 100, 231a.	0.5	0
150	RNA Folding in Crowded Solutions. Biophysical Journal, 2012, 102, 3a-4a.	0.5	0
151	Single Molecule Views of the Ribosome Assembly. Biophysical Journal, 2012, 102, 645a.	0.5	0
152	Rendering RNA in 3D. Nature Methods, 2012, 9, 552-553.	19.0	0
153	Introductory editorial:Biopolymerscelebrates 50 years of nucleic acids research. Biopolymers, 2013, 99, n/a-n/a.	2.4	0
154	Preface. Methods in Enzymology, 2015, 558, xix-xxi.	1.0	0
155	Probing RNA Folding Pathways by RNA Fingerprinting. Current Protocols in Nucleic Acid Chemistry, 2017, 70, 11.4.1-11.4.19.	0.5	0
156	Group I Ribozymes as a Paradigm for RNA Folding and Evolution. Springer Series in Biophysics, 2009, , 145-166.	0.4	0