

Madeline E Sherlock

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

908
citations

16
h-index

28
g-index

28
ext. papers

1,164
ext. citations

7.7
avg, IF

4.84
L-index

#	Paper	IF	Citations
25	A viral RNA hijacks host machinery using dynamic conformational changes of a tRNA-like structure. <i>Science</i> , 2021 , 374, 955-960	33.3	7
24	An expanded class of histidine-accepting viral tRNA-like structures. <i>Rna</i> , 2021 , 27, 653-664	5.8	1
23	Structural diversity and phylogenetic distribution of valyl tRNA-like structures in viruses. <i>Rna</i> , 2021 , 27, 27-39	5.8	5
22	Former orphan riboswitches reveal unexplored areas of bacterial metabolism, signaling, and gene control processes. <i>Rna</i> , 2020 , 26, 675-693	5.8	19
21	Variant Bacterial Riboswitches Associated with Nucleotide Hydrolase Genes Sense Nucleoside Diphosphates. <i>Biochemistry</i> , 2019 , 58, 401-410	3.2	18
20	Tandem riboswitches form a natural Boolean logic gate to control purine metabolism in bacteria. <i>ELife</i> , 2018 , 7,	8.9	36
19	High Throughput Validation of Orphan Riboswitch Candidates. <i>FASEB Journal</i> , 2018 , 32, lb18	0.9	
18	SAM-VI RNAs selectively bind S-adenosylmethionine and exhibit similarities to SAM-III riboswitches. <i>RNA Biology</i> , 2018 , 15, 371-378	4.8	26
17	Challenges of ligand identification for the second wave of orphan riboswitch candidates. <i>RNA Biology</i> , 2018 , 15, 377-390	4.8	25
16	Riboswitches for the alarmone ppGpp expand the collection of RNA-based signaling systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 6052-6057	11.5	50
15	The Biology of Free Guanidine As Revealed by Riboswitches. <i>Biochemistry</i> , 2017 , 56, 345-347	3.2	21
14	Bioinformatic analysis of riboswitch structures uncovers variant classes with altered ligand specificity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E2077-E2085	11.5	55
13	Riboswitch diversity and distribution. <i>Rna</i> , 2017 , 23, 995-1011	5.8	253
12	Biochemical Validation of a Second Guanidine Riboswitch Class in Bacteria. <i>Biochemistry</i> , 2017 , 56, 352-358	3.2	58
11	Biochemical Validation of a Third Guanidine Riboswitch Class in Bacteria. <i>Biochemistry</i> , 2017 , 56, 359-363	3.2	54
10	Metabolism of Free Guanidine in Bacteria Is Regulated by a Widespread Riboswitch Class. <i>Molecular Cell</i> , 2017 , 65, 220-230	17.6	84
9	Detection of 224 candidate structured RNAs by comparative analysis of specific subsets of intergenic regions. <i>Nucleic Acids Research</i> , 2017 , 45, 10811-10823	20.1	73

8	Steady-State and Time-Resolved Studies into the Origin of the Intrinsic Fluorescence of G-Quadruplexes. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 5146-58	3.4	15
7	Synthesis and anticancer activity of ruthenium half-sandwich complexes comprising combined metal centrochirality and planar chirality. <i>Inorganica Chimica Acta</i> , 2014 , 423, 530-539	2.7	8
6	Decrease in RNA Folding Cooperativity by Deliberate Population of Intermediates in RNA G-Quadruplexes. <i>Angewandte Chemie</i> , 2013 , 125, 711-714	3.6	5
5	Decrease in RNA folding cooperativity by deliberate population of intermediates in RNA G-quadruplexes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 683-6	16.4	23
4	A hybridization-based approach for quantitative and low-bias single-stranded DNA ligation. <i>Analytical Biochemistry</i> , 2013 , 435, 181-6	3.1	29
3	Effect of loop sequence and loop length on the intrinsic fluorescence of G-quadruplexes. <i>Biochemistry</i> , 2013 , 52, 3019-21	3.2	41
2	Structural Diversity and Phylogenetic Distribution of Valyl tRNA-like Structures in Viruses		1
1	Cryo-EM of a viral RNA and RNA-protein complex reveals how structural dynamics and novel tRNA mimicry combine to hijack host machinery		1