

# Madeline E Sherlock

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5492751/publications.pdf>

Version: 2024-02-01

22  
papers

1,379  
citations

471371

17  
h-index

677027

22  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1170  
citing authors

#	ARTICLE	IF	CITATIONS
1	Riboswitch diversity and distribution. <i>Rna</i> , 2017, 23, 995-1011.	1.6	374
2	Metabolism of Free Guanidine in Bacteria Is Regulated by a Widespread Riboswitch Class. <i>Molecular Cell</i> , 2017, 65, 220-230.	4.5	129
3	Detection of 224 candidate structured RNAs by comparative analysis of specific subsets of intergenic regions. <i>Nucleic Acids Research</i> , 2017, 45, 10811-10823.	6.5	116
4	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.	3.3	94
5	Biochemical Validation of a Second Guanidine Riboswitch Class in Bacteria. <i>Biochemistry</i> , 2017, 56, 352-358.	1.2	87
6	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.	3.3	75
7	Biochemical Validation of a Third Guanidine Riboswitch Class in Bacteria. <i>Biochemistry</i> , 2017, 56, 359-363.	1.2	70
8	Tandem riboswitches form a natural Boolean logic gate to control purine metabolism in bacteria. <i>ELife</i> , 2018, 7, .	2.8	59
9	Effect of Loop Sequence and Loop Length on the Intrinsic Fluorescence of G-Quadruplexes. <i>Biochemistry</i> , 2013, 52, 3019-3021.	1.2	52
10	SAM-VI RNAs selectively bind <i>S</i> -adenosylmethionine and exhibit similarities to SAM-III riboswitches. <i>RNA Biology</i> , 2018, 15, 371-378.	1.5	42
11	A hybridization-based approach for quantitative and low-bias single-stranded DNA ligation. <i>Analytical Biochemistry</i> , 2013, 435, 181-186.	1.1	41
12	Variant Bacterial Riboswitches Associated with Nucleotide Hydrolase Genes Sense Nucleoside Diphosphates. <i>Biochemistry</i> , 2019, 58, 401-410.	1.2	34
13	Former orphan riboswitches reveal unexplored areas of bacterial metabolism, signaling, and gene control processes. <i>Rna</i> , 2020, 26, 675-693.	1.6	34
14	Challenges of ligand identification for the second wave of orphan riboswitch candidates. <i>RNA Biology</i> , 2018, 15, 377-390.	1.5	33
15	A viral RNA hijacks host machinery using dynamic conformational changes of a tRNA-like structure. <i>Science</i> , 2021, 374, 955-960.	6.0	33
16	The Biology of Free Guanidine As Revealed by Riboswitches. <i>Biochemistry</i> , 2017, 56, 345-347.	1.2	31
17	Decrease in RNA Folding Cooperativity by Deliberate Population of Intermediates in RNA G-Quadruplexes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 683-686.	7.2	23
18	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, 5146-5158.	1.2	19

#	ARTICLE	IF	CITATIONS
19	Structural diversity and phylogenetic distribution of valyl tRNA-like structures in viruses. <i>Rna</i> , 2021, 27, 27-39.	1.6	12
20	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.	1.2	9
21	An expanded class of histidine-accepting viral tRNA-like structures. <i>Rna</i> , 2021, 27, 653-664.	1.6	4
22	High Throughput Validation of Orphan Riboswitch Candidates. <i>FASEB Journal</i> , 2018, 32, 1b18.	0.2	0