

# Todd M Lowe

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8738246/publications.pdf>

Version: 2024-02-01

36  
papers

23,158  
citations

201385

27  
h-index

329751

37  
g-index

45  
all docs

45  
docs citations

45  
times ranked

23997  
citing authors

#	ARTICLE	IF	CITATIONS
1	tRNAscan-SE: A Program for Improved Detection of Transfer RNA Genes in Genomic Sequence. <i>Nucleic Acids Research</i> , 1997, 25, 955-964.	6.5	9,417
2	tRNAscan-SE: A Program for Improved Detection of Transfer RNA Genes in Genomic Sequence. <i>Nucleic Acids Research</i> , 1997, 25, 0955-964.	6.5	3,970
3	tRNAscan-SE On-line: integrating search and context for analysis of transfer RNA genes. <i>Nucleic Acids Research</i> , 2016, 44, W54-W57.	6.5	2,219
4	The tRNAscan-SE, snoscan and snoGPS web servers for the detection of tRNAs and snoRNAs. <i>Nucleic Acids Research</i> , 2005, 33, W686-W689.	6.5	2,090
5	tRNAscan-SE: Searching for tRNA Genes in Genomic Sequences. <i>Methods in Molecular Biology</i> , 2019, 1962, 1-14.	0.4	1,023
6	GtRNAdb: a database of transfer RNA genes detected in genomic sequence. <i>Nucleic Acids Research</i> , 2009, 37, D93-D97.	6.5	782
7	GtRNAdb 2.0: an expanded database of transfer RNA genes identified in complete and draft genomes. <i>Nucleic Acids Research</i> , 2016, 44, D184-D189.	6.5	776
8	tRNAscan-SE 2.0: improved detection and functional classification of transfer RNA genes. <i>Nucleic Acids Research</i> , 2021, 49, 9077-9096.	6.5	569
9	ARM-seq: AlkB-facilitated RNA methylation sequencing reveals a complex landscape of modified tRNA fragments. <i>Nature Methods</i> , 2015, 12, 879-884.	9.0	350
10	Homologs of Small Nucleolar RNAs in Archaea. <i>Science</i> , 2000, 288, 517-522.	6.0	324
11	RNAcentral: a comprehensive database of non-coding RNA sequences. <i>Nucleic Acids Research</i> , 2017, 45, D128-D134.	6.5	174
12	RNAcentral: a hub of information for non-coding RNA sequences. <i>Nucleic Acids Research</i> , 2019, 47, D221-D229.	6.5	153
13	A guided tour: small RNA function in Archaea. <i>Molecular Microbiology</i> , 2001, 40, 509-519.	1.2	128
14	Matching tRNA modifications in humans to their known and predicted enzymes. <i>Nucleic Acids Research</i> , 2019, 47, 2143-2159.	6.5	116
15	RNAcentral: an international database of ncRNA sequences. <i>Nucleic Acids Research</i> , 2015, 43, D123-D129.	6.5	103
16	Small RNA Modifications: Integral to Function and Disease. <i>Trends in Molecular Medicine</i> , 2016, 22, 1025-1034.	3.5	90
17	The UCSC Archaeal Genome Browser: 2012 update. <i>Nucleic Acids Research</i> , 2012, 40, D646-D652.	6.5	89
18	Stress response of a marine ammonia-oxidizing archaeon informs physiological status of environmental populations. <i>ISME Journal</i> , 2018, 12, 508-519.	4.4	82

#	ARTICLE	IF	CITATIONS
19	A guide to naming human non-coding RNA genes. <i>EMBO Journal</i> , 2020, 39, e103777.	3.5	77
20	Small nucleolar RNAs and RNA-guided post-transcriptional modification. <i>Essays in Biochemistry</i> , 2013, 54, 53-77.	2.1	69
21	Discovery of permuted and recently split transfer RNAs in Archaea. <i>Genome Biology</i> , 2011, 12, R38.	3.8	58
22	R2DT is a framework for predicting and visualising RNA secondary structure using templates. <i>Nature Communications</i> , 2021, 12, 3494.	5.8	58
23	IscR Is Essential for <i>Yersinia pseudotuberculosis</i> Type III Secretion and Virulence. <i>PLoS Pathogens</i> , 2014, 10, e1004194.	2.1	53
24	Diversity of Antisense and Other Non-Coding RNAs in Archaea Revealed by Comparative Small RNA Sequencing in Four <i>Pyrobaculum</i> Species. <i>Frontiers in Microbiology</i> , 2012, 3, 231.	1.5	46
25	Transfer RNA genes experience exceptionally elevated mutation rates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8996-9001.	3.3	40
26	C/D box sRNA-guided 2'-O-methylation patterns of archaeal rRNA molecules. <i>BMC Genomics</i> , 2015, 16, 632.	1.2	35
27	Predicting transfer RNA gene activity from sequence and genome context. <i>Genome Research</i> , 2020, 30, 85-94.	2.4	22
28	Reclassification of <i>Thermoproteus neutrophilus</i> Stetter and Zillig 1989 as <i>Pyrobaculum neutrophilum</i> comb. nov. based on phylogenetic analysis. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 751-754.	0.8	21
29	Distinct Stress-Dependent Signatures of Cellular and Extracellular tRNA-Derived Small RNAs. <i>Advanced Science</i> , 2022, 9, e2200829.	5.6	19
30	Draft De Novo Transcriptome of the Rat Kangaroo Potorous <i>tridactylus</i> as a Tool for Cell Biology. <i>PLoS ONE</i> , 2015, 10, e0134738.	1.1	18
31	High-Throughput Small RNA Sequencing Enhanced by AlkB-Facilitated RNA de-Methylation (ARM-Seq). <i>Methods in Molecular Biology</i> , 2017, 1562, 231-243.	0.4	17
32	tRNAviz: explore and visualize tRNA sequence features. <i>Nucleic Acids Research</i> , 2019, 47, W542-W547.	6.5	17
33	Distinct Modified Nucleosides in tRNA <sup>Trp</sup> from the Hyperthermophilic Archaeon <i>Thermococcus kodakarensis</i> and Requirement of tRNA <sup>m<sup>2</sup></sup> G10/m <sup>2</sup> G10 Methyltransferase (Archaeal Trm11) for Survival at High Temperatures. <i>Journal of Bacteriology</i> , 2019, 201, ...	1.0	15
34	Complete genome sequence of <i>Pyrobaculum oguniense</i> . <i>Standards in Genomic Sciences</i> , 2012, 6, 336-345.	1.5	10
35	Methylation guide RNA evolution in archaea: structure, function and genomic organization of 110 C/D box sRNA families across six <i>Pyrobaculum</i> species. <i>Nucleic Acids Research</i> , 2018, 46, 5678-5691.	6.5	7
36	Eukaryotic tRNA sequences present conserved and amino acid-specific structural signatures. <i>Nucleic Acids Research</i> , 2022, 50, 4100-4112.	6.5	6