Sara Lana Zimmer

List of Publications by Year
in descending order

31 papers	3,184 citations	567281 15 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	4595 citing authors

#	Article	IF	Citations
1	The Chlamydomonas Genome Reveals the Evolution of Key Animal and Plant Functions. Science, 2007, 318, 245-250.	12.6	2,354
2	Antibiotic-Inducible Promoter Regulated by the Cell Envelope Stress-Sensing Two-Component System LiaRS of Bacillus subtilis. Antimicrobial Agents and Chemotherapy, 2004, 48, 2888-2896.	3.2	277
3	Integration of Chloroplast Nucleic Acid Metabolism into the Phosphate Deprivation Response in Chlamydomonas reinhardtii. Plant Cell, 2007, 19, 1023-1038.	6.6	75
4	Dual core processing: MRB1 is an emerging kinetoplast RNA editing complex. Trends in Parasitology, 2013, 29, 91-99.	3.3	53
5	Polyadenylation in Arabidopsis and Chlamydomonas organelles: the input of nucleotidyltransferases, poly(A) polymerases and polynucleotide phosphorylase. Plant Journal, 2009, 59, 88-99.	5.7	50
6	Antisense Transcript and RNA Processing Alterations Suppress Instability of Polyadenylated mRNA in Chlamydomonas Chloroplasts. Plant Cell, 2004, 16, 2849-2869.	6.6	47
7	Functional characterization of two paralogs that are novel RNA binding proteins influencing mitochondrial transcripts of Trypanosoma brucei. Rna, 2012, 18, 1846-1861.	3.5	39
8	Trypanosomatid mitochondrial RNA editing: dramatically complex transcript repertoires revealed with a dedicated mapping tool. Nucleic Acids Research, 2018, 46, 765-781.	14.5	30
9	Genome-Based Analysis of Chlamydomonas reinhardtii Exoribonucleases and Poly(A) Polymerases Predicts Unexpected Organellar and Exosomal Features. Genetics, 2008, 179, 125-136.	2.9	24
10	A Novel Member of the RNase D Exoribonuclease Family Functions in Mitochondrial Guide RNA Metabolism in Trypanosoma brucei. Journal of Biological Chemistry, 2011, 286, 10329-10340.	3.4	22
11	High throughput sequencing revolution reveals conserved fundamentals of Uâ€indel editing. Wiley Interdisciplinary Reviews RNA, 2018, 9, e1487.	6.4	22
12	Expression of the Melanocortin 5 Receptor on Rat Lymphocytes. Biochemical and Biophysical Research Communications, 2001, 281, 1086-1092.	2.1	21
13	Mitochondrial Gene Expression Is Responsive to Starvation Stress and Developmental Transition in Trypanosoma cruzi. MSphere, 2016, 1, .	2.9	20
14	Tail characteristics of Trypanosoma brucei mitochondrial transcripts are developmentally altered in a transcript-specific manner. International Journal for Parasitology, 2018, 48, 179-189.	3.1	19
15	Ribosome biogenesis requires a highly diverged XRN family 5â€²â†'3â€² exoribonuclease for rRNA processing in Trypanosoma brucei. Rna, 2013, 19, 1419-1431.	3.5	18
16	Additive and Transcript-Specific Effects of KPAP1 and TbRND Activities on 3â€² Non-Encoded Tail Characteristics and mRNA Stability in Trypanosoma brucei. PLoS ONE, 2012, 7, e37639.	2.5	17
17	A putative ATP/GTP binding protein affects Leishmania mexicana growth in insect vectors and vertebrate hosts. PLoS Neglected Tropical Diseases, 2017, 11, e0005782.	3.0	16
18	circTAIL-seq, a targeted method for deep analysis of RNA 3â€² tails, reveals transcript-specific differences by multiple metrics. Rna, 2016, 22, 477-486.	3.5	14

#	Article	IF	Citations
19	The interaction of a Trypanosoma brucei KH-domain protein with a ribonuclease is implicated in ribosome processing. Molecular and Biochemical Parasitology, 2017, 211, 94-103.	1.1	11
20	A Global Analysis of Enzyme Compartmentalization to Glycosomes. Pathogens, 2020, 9, 281.	2.8	9
21	Complete minicircle genome ofLeptomonas pyrrhocorisreveals sources of its non-canonical mitochondrial RNA editing events. Nucleic Acids Research, 2021, 49, 3354-3370.	14.5	9
22	Revisiting Trypanosome Mitochondrial Genome Mysteries: Broader and Deeper. Trends in Parasitology, 2019, 35, 102-104.	3.3	8
23	The Remarkable Metabolism of Vickermania ingenoplastis: Genomic Predictions. Pathogens, 2021, 10, 68.	2.8	7
24	Gene expression to mitochondrial metabolism: Variability among cultured Trypanosoma cruzi strains. PLoS ONE, 2018, 13, e0197983.	2.5	5
25	A link between mitochondrial gene expression and life stage morphologies in Trypanosoma cruzi. Molecular Microbiology, 2020, 113, 1003-1021.	2.5	3
26	Reintegrating Biology Through the Nexus of Energy, Information, and Matter. Integrative and Comparative Biology, 2022, 61, 2082-2094.	2.0	3
27	Probabilistic models of biological enzymatic polymerization. PLoS ONE, 2021, 16, e0244858.	2.5	3
28	Trypanosoma cruzi strain and starvation-driven mitochondrial RNA editing and transcriptome variability. Rna, 2022, 28, 993-1012.	3.5	3
29	Marked for Translation: Long A/U Tails as an Interface between Completion of RNA Editing and Ribosome Recruitment. Molecular Cell, 2011, 42, 6-8.	9.7	2
30	Using a Community-Based Participatory Approach to Address Gender Equity in Academic Medicine: The Center for Women in Medicine and Science at the University of Minnesota. Academic Medicine, 2022, 97, 370-377.	1.6	2
31	Advances in Emerging and Neglected Infectious Diseases 2018. BioMed Research International, 2018, 2018, 1-2.	1.9	1