

Sara Lana Zimmer

List of Publications by Year in descending order

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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	Reintegrating Biology Through the Nexus of Energy, Information, and Matter. <i>Integrative and Comparative Biology</i> , 2022, 61, 2082-2094.	2.0	3
2	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. <i>Academic Medicine</i> , 2022, 97, 370-377.	1.6	2
3	<i>Trypanosoma cruzi</i> strain and starvation-driven mitochondrial RNA editing and transcriptome variability. <i>Rna</i> , 2022, 28, 993-1012.	3.5	3
4	Complete minicircle genome of <i>Leptomonas pyrrocoris</i> reveals sources of its non-canonical mitochondrial RNA editing events. <i>Nucleic Acids Research</i> , 2021, 49, 3354-3370.	14.5	9
5	Probabilistic models of biological enzymatic polymerization. <i>PLoS ONE</i> , 2021, 16, e0244858.	2.5	3
6	The Remarkable Metabolism of <i>Vickermania ingenoplastis</i> : Genomic Predictions. <i>Pathogens</i> , 2021, 10, 68.	2.8	7
7	A link between mitochondrial gene expression and life stage morphologies in <i>Trypanosoma cruzi</i> . <i>Molecular Microbiology</i> , 2020, 113, 1003-1021.	2.5	3
8	A Global Analysis of Enzyme Compartmentalization to Glycosomes. <i>Pathogens</i> , 2020, 9, 281.	2.8	9
9	Revisiting Trypanosome Mitochondrial Genome Mysteries: Broader and Deeper. <i>Trends in Parasitology</i> , 2019, 35, 102-104.	3.3	8
10	Trypanosomatid mitochondrial RNA editing: dramatically complex transcript repertoires revealed with a dedicated mapping tool. <i>Nucleic Acids Research</i> , 2018, 46, 765-781.	14.5	30
11	Tail characteristics of <i>Trypanosoma brucei</i> mitochondrial transcripts are developmentally altered in a transcript-specific manner. <i>International Journal for Parasitology</i> , 2018, 48, 179-189.	3.1	19
12	Advances in Emerging and Neglected Infectious Diseases 2018. <i>BioMed Research International</i> , 2018, 1-2.	1.9	1
13	Gene expression to mitochondrial metabolism: Variability among cultured <i>Trypanosoma cruzi</i> strains. <i>PLoS ONE</i> , 2018, 13, e0197983.	2.5	5
14	High throughput sequencing revolution reveals conserved fundamentals of U ² indel editing. <i>Wiley Interdisciplinary Reviews RNA</i> , 2018, 9, e1487.	6.4	22
15	The interaction of a <i>Trypanosoma brucei</i> KH-domain protein with a ribonuclease is implicated in ribosome processing. <i>Molecular and Biochemical Parasitology</i> , 2017, 211, 94-103.	1.1	11
16	A putative ATP/GTP binding protein affects <i>Leishmania mexicana</i> growth in insect vectors and vertebrate hosts. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005782.	3.0	16
17	Mitochondrial Gene Expression Is Responsive to Starvation Stress and Developmental Transition in <i>Trypanosoma cruzi</i> . <i>MSphere</i> , 2016, 1, .	2.9	20
18	circTAIL-seq, a targeted method for deep analysis of RNA 3' tails, reveals transcript-specific differences by multiple metrics. <i>Rna</i> , 2016, 22, 477-486.	3.5	14

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19	Ribosome biogenesis requires a highly diverged XRN family 5'â€²â†'3'â€² exoribonuclease for rRNA processing in <i>Trypanosoma brucei</i> . <i>Rna</i> , 2013, 19, 1419-1431.	3.5	18
20	Dual core processing: MRB1 is an emerging kinetoplast RNA editing complex. <i>Trends in Parasitology</i> , 2013, 29, 91-99.	3.3	53
21	Functional characterization of two paralogs that are novel RNA binding proteins influencing mitochondrial transcripts of <i>Trypanosoma brucei</i> . <i>Rna</i> , 2012, 18, 1846-1861.	3.5	39
22	Additive and Transcript-Specific Effects of KPAP1 and TbRND Activities on 3' Non-Encoded Tail Characteristics and mRNA Stability in <i>Trypanosoma brucei</i> . <i>PLoS ONE</i> , 2012, 7, e37639.	2.5	17
23	Marked for Translation: Long A/U Tails as an Interface between Completion of RNA Editing and Ribosome Recruitment. <i>Molecular Cell</i> , 2011, 42, 6-8.	9.7	2
24	A Novel Member of the RNase D Exoribonuclease Family Functions in Mitochondrial Guide RNA Metabolism in <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 10329-10340.	3.4	22
25	Polyadenylation in <i>Arabidopsis</i> and <i>Chlamydomonas</i> organelles: the input of nucleotidyltransferases, poly(A) polymerases and polynucleotide phosphorylase. <i>Plant Journal</i> , 2009, 59, 88-99.	5.7	50
26	Genome-Based Analysis of <i>Chlamydomonas reinhardtii</i> Exoribonucleases and Poly(A) Polymerases Predicts Unexpected Organellar and Exosomal Features. <i>Genetics</i> , 2008, 179, 125-136.	2.9	24
27	Integration of Chloroplast Nucleic Acid Metabolism into the Phosphate Deprivation Response in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2007, 19, 1023-1038.	6.6	75
28	The <i>Chlamydomonas</i> Genome Reveals the Evolution of Key Animal and Plant Functions. <i>Science</i> , 2007, 318, 245-250.	12.6	2,354
29	Antibiotic-Inducible Promoter Regulated by the Cell Envelope Stress-Sensing Two-Component System LiaRS of <i>Bacillus subtilis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 2888-2896.	3.2	277
30	Antisense Transcript and RNA Processing Alterations Suppress Instability of Polyadenylated mRNA in <i>Chlamydomonas</i> Chloroplasts. <i>Plant Cell</i> , 2004, 16, 2849-2869.	6.6	47
31	Expression of the Melanocortin 5 Receptor on Rat Lymphocytes. <i>Biochemical and Biophysical Research Communications</i> , 2001, 281, 1086-1092.	2.1	21