K Shanmugha Rajan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9492234/publications.pdf

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25	458	758635 12	752256 20
papers	citations	h-index	g-index

29	29	29	551
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental evolution links post-transcriptional regulation to Leishmania fitness gain. PLoS Pathogens, 2022, 18, e1010375.	2.1	9
2	The plant epitranscriptome: revisiting pseudouridine and 2â€²â€Oâ€methyl RNA modifications. Plant Biotechnology Journal, 2022, 20, 1241-1256.	4.1	10
3	A long noncoding RNA promotes parasite differentiation in African trypanosomes. Science Advances, 2022, 8, .	4.7	12
4	Identification and functional implications of pseudouridine RNA modification on small noncoding RNAs in the mammalian pathogen Trypanosoma brucei. Journal of Biological Chemistry, 2022, 298, 102141.	1.6	4
5	The cardiac methylome: A hidden layer of RNA modifications to regulate gene expression. Journal of Molecular and Cellular Cardiology, 2021, 152, 40-51.	0.9	3
6	Emerging Roles of Extracellular Vesicles Derived Non-Coding RNAs in the Cardiovascular System. Sub-Cellular Biochemistry, 2021, 97, 437-453.	1.0	1
7	Pseudouridines on Trypanosoma brucei mRNAs are developmentally regulated: Implications to mRNA stability and protein binding. Molecular Microbiology, 2021, 116, 808-826.	1.2	12
8	The Spliced Leader RNA Silencing (SLS) Pathway in Trypanosoma brucei Is Induced by Perturbations of Endoplasmic Reticulum, Golgi Complex, or Mitochondrial Protein Factors: Functional Analysis of SLS-Inducing Kinase PK3. MBio, 2021, 12, e0260221.	1.8	2
9	Genome instability drives epistatic adaptation in the human pathogenLeishmania. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	18
10	Developmentally Regulated Novel Non-coding Anti-sense Regulators of mRNA Translation in Trypanosoma brucei. IScience, 2020, 23, 101780.	1.9	14
11	The large repertoire of 2â€™-O-methylation guided by C/D snoRNAs on Trypanosoma brucei rRNA. RNA Biology, 2020, 17, 1018-1039.	1.5	21
12	The vault RNA of Trypanosoma brucei plays a role in the production of trans-spliced mRNA. Journal of Biological Chemistry, 2019, 294, 15559-15574.	1.6	16
13	Pseudouridines on Trypanosoma brucei spliceosomal small nuclear RNAs and their implication for RNA and protein interactions. Nucleic Acids Research, 2019, 47, 7633-7647.	6.5	33
14	Small nucleolar RNAs controlling rRNA processing in Trypanosoma brucei. Nucleic Acids Research, 2019, 47, 2609-2629.	6.5	20
15	Unique Aspects of rRNA Biogenesis in Trypanosomatids. Trends in Parasitology, 2019, 35, 778-794.	1.5	16
16	Egr-1 mediated cardiac miR-99 family expression diverges physiological hypertrophy from pathological hypertrophy. Experimental Cell Research, 2018, 365, 46-56.	1.2	26
17	The Canonical Poly (A) Polymerase PAP1 Polyadenylates Non-Coding RNAs and Is Essential for snoRNA Biogenesis in Trypanosoma brucei. Journal of Molecular Biology, 2017, 429, 3301-3318.	2.0	14
18	Emerging cardiac non-coding landscape: The importance of meta-analysis. Biochimie, 2017, 133, 87-94.	1.3	21

#	Article	IF	Citations
19	A pseudouridylation switch in rRNA is implicated in ribosome function during the life cycle of Trypanosoma brucei. Scientific Reports, 2016, 6, 25296.	1.6	38
20	Abundant and Altered Expression of PIWI-Interacting RNAs during Cardiac Hypertrophy. Heart Lung and Circulation, 2016, 25, 1013-1020.	0.2	48
21	MiRNAs with Apoptosis Regulating Potential Are Differentially Expressed in Chronic Exercise-Induced Physiologically Hypertrophied Hearts. PLoS ONE, 2015, 10, e0121401.	1.1	51
22	miRNA and piRNA mediated Akt pathway in heart: Antisense expands to survive. International Journal of Biochemistry and Cell Biology, 2014, 55, 153-156.	1.2	31
23	Retrotransposons and piRNA: The missing link in central nervous system. Neurochemistry International, 2014, 77, 94-102.	1.9	20
24	Developmentally Regulated Novel Non-Coding Anti-Sense Regulator of mRNA Translation in <i>Trypanosoma brucei</i>. SSRN Electronic Journal, 0, , .	0.4	0
25	Spaceflight-Associated Changes of snoRNAs in Peripheral Blood Mononuclear Cells and Plasma Exosomesâ€"A Pilot Study. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	4