

Carla R Polycarpo

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,534
citations

430754

18
h-index

610775

24
g-index

28
all docs

28
docs citations

28
times ranked

1744
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome of <i>Rhodnius prolixus</i> , an insect vector of Chagas disease, reveals unique adaptations to hematophagy and parasite infection. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14936-14941.	3.3	329
2	An Insight into the Transcriptome of the Digestive Tract of the Bloodsucking Bug, <i>Rhodnius prolixus</i> . PLoS Neglected Tropical Diseases, 2014, 8, e2594.	1.3	184
3	An aminoacyl-tRNA synthetase that specifically activates pyrrolysine. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12450-12454.	3.3	177
4	Pyrrolysine analogues as substrates for pyrrolysyl-tRNA synthetase. FEBS Letters, 2006, 580, 6695-6700.	1.3	136
5	Pyrrolysine is not hardwired for cotranslational insertion at UAG codons. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3141-3146.	3.3	112
6	Activation of the Pyrrolysine Suppressor tRNA Requires Formation of a Ternary Complex with Class I and Class II Lysyl-tRNA Synthetases. Molecular Cell, 2003, 12, 287-294.	4.5	73
7	The amino-terminal domain of pyrrolysyl-tRNA synthetase is dispensable in vitro but required for in vivo activity. FEBS Letters, 2007, 581, 3197-3203.	1.3	54
8	Recognition of pyrrolysine tRNA by the <i>Desulfitobacterium hafniense</i> pyrrolysyl-tRNA synthetase. Nucleic Acids Research, 2007, 35, 1270-1278.	6.5	52
9	Adding pyrrolysine to the <i>Escherichia coli</i> genetic code. FEBS Letters, 2007, 581, 5282-5288.	1.3	52
10	A comparative assessment of mitochondrial function in epimastigotes and bloodstream trypomastigotes of <i>Trypanosoma cruzi</i> . Journal of Bioenergetics and Biomembranes, 2011, 43, 651-661.	1.0	51
11	Structural characterization of neutral glycosphingolipids from <i>Fusarium</i> species. Lipids and Lipid Metabolism, 1998, 1390, 186-196.	2.6	47
12	Characterization of a multidrug-resistant chronic myeloid leukemia cell line presenting multiple resistance mechanisms. Molecular and Cellular Biochemistry, 2013, 383, 123-135.	1.4	46
13	Protein Synthesis in <i>Escherichia coli</i> with Mischarged tRNA. Journal of Bacteriology, 2003, 185, 3524-3526.	1.0	40
14	Cutting, dicing, healing and sealing: the molecular surgery of tRNA. Wiley Interdisciplinary Reviews RNA, 2015, 6, 337-349.	3.2	30
15	Differential Modes of Transfer RNAs Recognition in <i>Methanosarcina barkeri</i> . Journal of Biological Chemistry, 2004, 279, 48780-48786.	1.6	28
16	Aminoacyl-tRNA Synthesis by Pre-Translational Amino Acid Modification. RNA Biology, 2004, 1, 15-19.	1.5	23
17	The essential function of the <i>Trypanosoma brucei</i> Trl1 homolog in procyclic cells is maturation of the intron-containing tRNA ^{Tyr} . Rna, 2016, 22, 1190-1199.	1.6	23
18	<i>Methanocaldococcus jannaschii</i> Prolyl-tRNA Synthetase Charges tRNA ^{Pro} with Cysteine. Journal of Biological Chemistry, 2002, 277, 34749-34754.	1.6	20

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19	Identification of a selenium-dependent glutathione peroxidase in the blood-sucking insect <i>Rhodnius prolixus</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 69, 105-114.	1.2	15
20	Phase Separation and Disorder-to-Order Transition of Human Brain Expressed X-Linked 3 (hBEX3) in the Presence of Small Fragments of tRNA. <i>Journal of Molecular Biology</i> , 2020, 432, 2319-2348.	2.0	13
21	A Non-Discriminating Aspartyl-tRNA Synthetase from <i>Halobacterium salinarum</i> . <i>RNA Biology</i> , 2006, 3, 110-114.	1.5	12
22	Non-immune Traits Triggered by Blood Intake Impact Vectorial Competence. <i>Frontiers in Physiology</i> , 2021, 12, 638033.	1.3	6
23	Misacylation of pyrrolysine tRNA in vitro and in vivo. <i>FEBS Letters</i> , 2008, 582, 3353-3358.	1.3	4
24	Features of Aminoacyl-tRNA Synthesis Unique to Archaea. , 0, , 198-208.		1
25	Aminoacyl-tRNAs: Deciphering and Defining the Genetic Message. , 0, , 207-215.		0
26	Highlights on Trypanosomatid Aminoacyl-tRNA Synthesis. <i>Sub-Cellular Biochemistry</i> , 2014, 74, 271-304.	1.0	0
27	Mischarging of <i>M. barkeri</i> tRNA ^{Pyl} with alanine and serine in vitro. <i>FASEB Journal</i> , 2006, 20, A503.	0.2	0