

Nina S Entelis

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,730
citations

331670

21
h-index

361022

35
g-index

37
all docs

37
docs citations

37
times ranked

1516
citing authors

#	ARTICLE	IF	CITATIONS
1	A glycolytic enzyme, enolase, is recruited as a cofactor of tRNA targeting toward mitochondria in <i>Saccharomyces cerevisiae</i> . <i>Genes and Development</i> , 2006, 20, 1609-1620.	5.9	148
2	Nuclear DNA-encoded tRNAs targeted into mitochondria can rescue a mitochondrial DNA mutation associated with the MERRF syndrome in cultured human cells. <i>Human Molecular Genetics</i> , 2004, 13, 2519-2534.	2.9	147
3	An Intact Protein Translocating Machinery is Required for Mitochondrial Import of a Yeast Cytoplasmic tRNA. <i>Journal of Molecular Biology</i> , 1995, 245, 315-323.	4.2	124
4	Enolase takes part in a macromolecular complex associated to mitochondria in yeast. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 1217-1228.	1.0	119
5	5 S rRNA and tRNA Import into Human Mitochondria. <i>Journal of Biological Chemistry</i> , 2001, 276, 45642-45653.	3.4	98
6	Biological significance of 5S rRNA import into human mitochondria: role of ribosomal protein MRP-L18. <i>Genes and Development</i> , 2011, 25, 1289-1305.	5.9	98
7	Correction of the consequences of mitochondrial 3243A>G mutation in the MT-TL1 gene causing the MELAS syndrome by tRNA import into mitochondria. <i>Nucleic Acids Research</i> , 2011, 39, 8173-8186.	14.5	82
8	Mitochondrial Enzyme Rhodanese Is Essential for 5 S Ribosomal RNA Import into Human Mitochondria. <i>Journal of Biological Chemistry</i> , 2010, 285, 30792-30803.	3.4	81
9	Mutation in PNPT1 , which Encodes a Polyribonucleotide Nucleotidyltransferase, Impairs RNA Import into Mitochondria and Causes Respiratory-Chain Deficiency. <i>American Journal of Human Genetics</i> , 2012, 91, 912-918.	6.2	81
10	Evidence for an Adaptation Mechanism of Mitochondrial Translation via tRNA Import from the Cytosol. <i>Molecular Cell</i> , 2007, 26, 625-637.	9.7	77
11	Mitochondrial targeting of recombinant RNAs modulates the level of a heteroplasmic mutation in human mitochondrial DNA associated with Kearns Sayre Syndrome. <i>Nucleic Acids Research</i> , 2013, 41, 418-433.	14.5	71
12	Two distinct structural elements of 5S rRNA are needed for its import into human mitochondria. <i>Rna</i> , 2008, 14, 749-759.	3.5	59
13	Selection of RNA aptamers imported into yeast and human mitochondria. <i>Rna</i> , 2010, 16, 926-941.	3.5	57
14	Import of Nuclear DNA-Encoded RNAs into Mitochondria and Mitochondrial Translation. <i>Cell Cycle</i> , 2007, 6, 2473-2477.	2.6	56
15	Import of Non-Coding RNAs into Human Mitochondria: A Critical Review and Emerging Approaches. <i>Cells</i> , 2019, 8, 286.	4.1	55
16	Can Mitochondrial DNA be CRISPRized: <i>Pro</i> and <i>Contra</i> . <i>IUBMB Life</i> , 2018, 70, 1233-1239.	3.4	48
17	Modeling of Antigenomic Therapy of Mitochondrial Diseases by Mitochondrially Addressed RNA Targeting a Pathogenic Point Mutation in Mitochondrial DNA. <i>Journal of Biological Chemistry</i> , 2014, 289, 13323-13334.	3.4	39
18	Mitochondrial import of a yeast cytoplasmic tRNA ^{lys} : possible roles of aminoacylation and modified nucleosides in subcellular partitioning. <i>FEBS Letters</i> , 1996, 384, 38-42.	2.8	33

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19	Method of carrier-free delivery of therapeutic RNA importable into human mitochondria: Lipophilic conjugates with cleavable bonds. <i>Biomaterials</i> , 2016, 76, 408-417.	11.4	32
20	Human mitochondrial tRNA quality control in health and disease. <i>RNA Biology</i> , 2012, 9, 33-39.	3.1	28
21	Induced tRNA Import into Human Mitochondria: Implication of a Host Aminoacyl-tRNA-Synthetase. <i>PLoS ONE</i> , 2013, 8, e66228.	2.5	28
22	YBEY is an essential biogenesis factor for mitochondrial ribosomes. <i>Nucleic Acids Research</i> , 2020, 48, 9762-9786.	14.5	24
23	tRNA mitochondrial import in yeast: Mapping of the import determinants in the carrier protein, the precursor of mitochondrial lysyl-tRNA synthetase. <i>Mitochondrion</i> , 2010, 10, 284-293.	3.4	22
24	A Moonlighting Human Protein Is Involved in Mitochondrial Import of tRNA. <i>International Journal of Molecular Sciences</i> , 2015, 16, 9354-9367.	4.1	20
25	Efficient target cleavage by Type V Cas12a effectors programmed with split CRISPR RNA. <i>Nucleic Acids Research</i> , 2022, 50, 1162-1173.	14.5	18
26	tRNA import into yeast mitochondria is regulated by the ubiquitin-proteasome system. <i>FEBS Letters</i> , 2007, 581, 4248-4254.	2.8	17
27	Characterization of chemically modified oligonucleotides targeting a pathogenic mutation in human mitochondrial DNA. <i>Biochimie</i> , 2014, 100, 192-199.	2.6	17
28	Anti-replicative recombinant 5S rRNA molecules can modulate the mtDNA heteroplasmy in a glucose-dependent manner. <i>PLoS ONE</i> , 2018, 13, e0199258.	2.5	14
29	The Analysis of tRNA Import Into Mammalian Mitochondria. <i>Methods in Molecular Biology</i> , 2007, 372, 235-253.	0.9	13
30	Mitochondrial Targeting of Recombinant RNA. <i>Methods in Molecular Biology</i> , 2015, 1265, 209-225.	0.9	13
31	A Versatile Solid-Phase Approach to the Synthesis of Oligonucleotide Conjugates with Biodegradable Hydrazone Linker. <i>Molecules</i> , 2021, 26, 2119.	3.8	5
32	Homoplasmic mitochondrial tRNA Promutation causing exercise-induced muscle swelling and fatigue. <i>Neurology: Genetics</i> , 2020, 6, e480.	1.9	3
33	Modifications in Therapeutic Oligonucleotides Improving the Delivery. <i>RNA Technologies</i> , 2016, , 319-337.	0.3	1
34	Lipophilic Conjugates for Carrier-Free Delivery of RNA Importable into Human Mitochondria. <i>Methods in Molecular Biology</i> , 2021, 2277, 49-67.	0.9	1