Walter Rossmanith

List of Publications by Year
in descending order

59	3,919	147566	128067
papers	citations	31 h-index	60 g-index

64	64	64	3746
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bi-allelic variants in the mitochondrial RNase P subunit PRORP cause mitochondrial tRNA processing defects and pleiotropic multisystem presentations. American Journal of Human Genetics, 2021, 108, 2195-2204.	2.6	26
2	Functional characterization of the human tRNA methyltransferases TRMT10A and TRMT10B. Nucleic Acids Research, 2020, 48, 6157-6169.	6.5	38
3	YBEY is an essential biogenesis factor for mitochondrial ribosomes. Nucleic Acids Research, 2020, 48, 9762-9786.	6.5	24
4	Diversity and Evolution of RNase P. , 2020, , 255-299.		13
5	Deciphering the â€œm6A Codeâ€•via Antibody-Independent Quantitative Profiling. Cell, 2019, 178, 731-747.e16.	13.5	341
6	Positioning Europe for the EPITRANSCRIPTOMICS challenge. RNA Biology, 2018, 15, 1-3.	1.5	18
7	Protein-only RNase P function in Escherichia coli: viability, processing defects and differences between PRORP isoenzymes. Nucleic Acids Research, 2017, 45, 7441-7454.	6.5	21
8	The m1A landscape on cytosolic and mitochondrial mRNA at single-base resolution. Nature, 2017, 551, 251-255.	13.7	440
9	Minimal and RNA-free RNase P in Aquifex aeolicus. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11121-11126.	3.3	46
10	Repairing tRNA termini: News from the 3' end. RNA Biology, 2016, 13, 1182-1188.	1.5	10
11	Analysis of the Cleavage Mechanism by Protein-Only RNase P Using Precursor tRNA Substrates with Modifications at the Cleavage Site. Journal of Molecular Biology, 2016, 428, 4917-4928.	2.0	9
12	Substrate recognition and cleavage-site selection by a single-subunit protein-only RNase P. Nucleic Acids Research, 2016, 44, 2323-2336.	6.5	35
13	A novelHSD17B10mutation impairing the activities of the mitochondrial RNase P complex causes X-linked intractable epilepsy and neurodevelopmental regression. RNA Biology, 2016, 13, 477-485.	1.5	42
14	Mitochondrial poly(A) polymerase is involved in tRNA repair. Nucleic Acids Research, 2015, 43, gkv891.	6.5	17
15	Molecular insights into HSD10 disease: impact of SDR5C1 mutations on the human mitochondrial RNase P complex. Nucleic Acids Research, 2015, 43, 5112-5119.	6.5	55
16	Distribution of Ribonucleoprotein and Protein-Only RNase P in Eukarya. Molecular Biology and Evolution, 2015, 32, msv187.	3.5	56
17	Playing RNase P Evolution: Swapping the RNA Catalyst for a Protein Reveals Functional Uniformity of Highly Divergent Enzyme Forms. PLoS Genetics, 2014, 10, e1004506.	1.5	24
18	The Amyloid-Î²-SDR5C1(ABAD) Interaction Does Not Mediate a Specific Inhibition of Mitochondrial RNase P. PLoS ONE, 2013, 8, e65609.	1.1	9

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19	A subcomplex of human mitochondrial RNase P is a bifunctional methyltransferaseâ€"extensive moonlighting in mitochondrial tRNA biogenesis. Nucleic Acids Research, 2012, 40, 11583-11593.	6.5	208
20	Nuclear RNase P of Trypanosoma brucei: A Single Protein in Place of the Multicomponent RNA-Protein Complex. Cell Reports, 2012, 2, 19-25.	2.9	71
21	tRNA Processing by Proteinâ€Only versus RNAâ€Based RNase P: Kinetic Analysis Reveals Mechanistic Differences. ChemBioChem, 2012, 13, 2270-2276.	1.3	31
22	Of P and Z: Mitochondrial tRNA processing enzymes. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2012, 1819, 1017-1026.	0.9	102
23	Localization of Human RNase Z Isoforms: Dual Nuclear/Mitochondrial Targeting of the ELAC2 Gene Product by Alternative Translation Initiation. PLoS ONE, 2011, 6, e19152.	1.1	75
24	Maternally Inherited Essential Hypertension Is Associated With the Novel 4263A>G Mutation in the Mitochondrial tRNA ^{Ile} Gene in a Large Han Chinese Family. Circulation Research, 2011, 108, 862-870.	2.0	114
25	A single Arabidopsis organellar protein has RNase P activity. Nature Structural and Molecular Biology, 2010, 17, 740-744.	3.6	203
26	Processing mitochondrial (t)RNAs: New enzyme, old job. Cell Cycle, 2009, 8, 1650-1653.	1.3	20
27	tRNA recognition, processing, and disease: Hypotheses around an unorthodox type of RNase P in human mitochondria. Mitochondrion, 2009, 9, 284-288.	1.6	21
28	Isolated cytochrome c oxidase deficiency as a cause of MELAS. BMJ Case Reports, 2009, 2009, bcr0820080666-bcr0820080666.	0.2	4
29	Effects of coffee and its chemopreventive components kahweol and cafestol on cytochrome P450 and sulfotransferase in rat liver. Food and Chemical Toxicology, 2008, 46, 1230-1238.	1.8	63
30	RNase P without RNA: Identification and Functional Reconstitution of the Human Mitochondrial tRNA Processing Enzyme. Cell, 2008, 135, 462-474.	13.5	546
31	Isolated cytochrome c oxidase deficiency as a cause of MELAS. Journal of Medical Genetics, 2007, 45, 117-121.	1.5	26
32	Accumulation of very long-chain fatty acids does not affect mitochondrial function in adrenoleukodystrophy protein deficiency. Human Molecular Genetics, 2005, 14, 1127-1137.	1.4	32
33	Mitochondrial genotype and risk for Alzheimer?s disease: cross-sectional data from the Vienna-Transdanube-Aging ?VITA? study. Journal of Neural Transmission, 2004, 111, 1155-65.	1.4	13
34	Localization and quantification of Cd- and Cu-specific metallothionein isoform mRNA in cells and organs of the terrestrial gastropod Helix pomatia. Toxicology and Applied Pharmacology, 2003, 190, 25-36.	1.3	72
35	The expanding mutational spectrum of MERRF substitution G8361A in the mitochondrial tRNALys gene. Annals of Neurology, 2003, 54, 820-823.	2.8	23
36	Expression of activins C and E induces apoptosis in human and rat hepatoma cells. Carcinogenesis, 2003, 24, 1801-1809.	1.3	53

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37	Overexpression of Activin Î²C or Activin Î²E in the Mouse Liver Inhibits Regenerative Deoxyribonucleic Acid Synthesis of Hepatic Cells. Endocrinology, 2003, 144, 3497-3504.	1.4	69
38	Expression and dimerization of the rat activin subunits betaC and betaE: evidence for the ormation of novel activin dimers. Journal of Molecular Endocrinology, 2002, 28, 137-148.	1.1	58
39	Cellular Gene Dose and Kinetics of Gene Expression in Mouse Livers Transfected by High-Volume Tail-Vein Injection of Naked DNA. DNA and Cell Biology, 2002, 21, 847-853.	0.9	40
40	Estrogen Receptor-Alpha and Estrogen Receptor-Beta Are Present in the Human Growth Plate in Childhood and Adolescence, in Identical Distribution. Hormone Research in Paediatrics, 2002, 58, 99-103.	0.8	16
41	Follistatin overexpression in rodent liver tumors: A possible mechanism to overcome activin growth control. Molecular Carcinogenesis, 2002, 35, 1-5.	1.3	38
42	The coffee components kahweol and cafestol induce Î³-glutamylcysteine synthetase, the rate limiting enzyme of chemoprotective glutathione synthesis, in several organs of the rat. Archives of Toxicology, 2002, 75, 685-694.	1.9	90
43	A novel mechanism for mitogenic signaling via pro-transforming growth factor Î± within hepatocyte nuclei. Hepatology, 2002, 35, 1372-1380.	3.6	29
44	Difference between Mitochondrial RNase P and Nuclear RNase P. Molecular and Cellular Biology, 2001, 21, 8236-8237.	1.1	25
45	Biology of transforming growth factor ? in hepatocarcinogenesis. Microscopy Research and Technique, 2001, 52, 430-436.	1.2	78
46	CPEO associated with a single nucleotide deletion in the mitochondrial tRNA ^{Tyr} gene. Neurology, 2001, 57, 2298-2301.	1.5	25
47	Hepatocarcinogenesis in the Context of Strain Differences in Energy Metabolism Between Inbred Strains of Mice (C57BL/6J and C3H/He). Advances in Experimental Medicine and Biology, 2001, 500, 607-611.	0.8	4
48	Levels of transforming growth factor Î² and transforming growth factor Î² receptors in rat liver during growth, regression by apoptosis and neoplasia. Hepatology, 1998, 28, 717-726.	3.6	56
49	Expression of cytochrome P450 2A5 in preneoplastic and neoplastic mouse liver lesions. Molecular Carcinogenesis, 1998, 22, 229-234.	1.3	35
50	Impairment of tRNA processing by point mutations in mitochondrial tRNALeu(UUR)associated with mitochondrial diseases. FEBS Letters, 1998, 433, 269-274.	1.3	68
51	Characterization of Human Mitochondrial RNase P: Novel Aspects in tRNA Processing. Biochemical and Biophysical Research Communications, 1998, 247, 234-241.	1.0	74
52	Apoptosis and Hepatocarcinogenesis. Digestion, 1998, 59, 64-65.	1.2	18
53	Processing of human mitochondrial tRNAGCUSer(AGY): a novel pathway in tRNA biosynthesis. Journal of Molecular Biology, 1997, 265, 365-371.	2.0	30
54	Expression of mouse RNase MRP RNA in human embryonic kidney 293 cells. Molecular Biology Reports, 1997, 24, 221-230.	1.0	10

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55	Human Mitochondrial tRNA Processing. Journal of Biological Chemistry, 1995, 270, 12885-12891.	1.6	135
56	RNase Mitochondrial RNA Processing Cleaves RNA from the Rat Mitochondrial Displacement Loop at the Origin of Heavyâ€Strand DNA Replication. FEBS Journal, 1995, 227, 657-662.	0.2	7
57	RNase Mitochondrial RNA Processing Cleaves RNA from the Rat Mitochondrial Displacement Loop at the Origin of Heavy-Strand DNA Replication. FEBS Journal, 1995, 227, 657-662.	0.2	11
58	Definition of the Th/ To ribonucleoprotein by RNase P and RNase MRP. Molecular Biology Reports, 1993, 18, 29-35.	1.0	20
59	RNase MRP and RNase P share a common substrate. Nucleic Acids Research, 1993, 21, 3239-3243.	6.5	35