Stefan J Siira

List of Publications by Year
in descending order

20	985	516215 16	752256 20
papers	citations	h-index	g-index

20	20	20	1433
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hierarchical RNA Processing Is Required for Mitochondrial Ribosome Assembly. Cell Reports, 2016, 16, 1874-1890.	2.9	116
2	POLRMT regulates the switch between replication primer formation and gene expression of mammalian mtDNA. Science Advances, 2016, 2, e1600963.	4.7	91
3	Recessive Mutations in TRMT10C Cause Defects in Mitochondrial RNA Processing and Multiple Respiratory Chain Deficiencies. American Journal of Human Genetics, 2016, 98, 993-1000.	2.6	89
4	CirGO: an alternative circular way of visualising gene ontology terms. BMC Bioinformatics, 2019, 20, 84.	1.2	84
5	SLIRP Regulates the Rate of Mitochondrial Protein Synthesis and Protects LRPPRC from Degradation. PLoS Genetics, 2015, 11, e1005423.	1.5	80
6	LRPPRC-mediated folding of the mitochondrial transcriptome. Nature Communications, 2017, 8, 1532.	5.8	80
7	Concerted regulation of mitochondrial and nuclear nonâ€coding <scp>RNA</scp> s by a dualâ€targeted <scp>RN</scp> ase Z. EMBO Reports, 2018, 19, .	2.0	60
8	PTCD1 Is Required for 16S rRNA Maturation Complex Stability and Mitochondrial Ribosome Assembly. Cell Reports, 2018, 23, 127-142.	2.9	51
9	<scp>TEFM</scp> regulates both transcription elongation and <scp>RNA</scp> processing in mitochondria. EMBO Reports, 2019, 20, .	2.0	51
10	Fidelity of translation initiation is required for coordinated respiratory complex assembly. Science Advances, 2019, 5, eaay2118.	4.7	47
11	Transcriptome-wide effects of aPOLR3Agene mutation in patients with an unusual phenotype of striatal involvement. Human Molecular Genetics, 2016, 25, 4302-4314.	1.4	46
12	Mapping of Mitochondrial RNA-Protein Interactions by Digital RNase Footprinting. Cell Reports, 2013, 5, 839-848.	2.9	36
13	Simultaneous processing and degradation of mitochondrial RNAs revealed by circularized RNA sequencing. Nucleic Acids Research, 2017, 45, 5487-5500.	6.5	36
14	The mitochondrial single-stranded DNA binding protein is essential for initiation of mtDNA replication. Science Advances, 2021, 7, .	4.7	36
15	Dinucleotide Degradation by REXO2 Maintains Promoter Specificity in Mammalian Mitochondria. Molecular Cell, 2019, 76, 784-796.e6.	4.5	22
16	Cardiolipin is required for membrane docking of mitochondrial ribosomes and protein synthesis. Journal of Cell Science, 2020, 133, .	1.2	21
17	Modular ssDNA binding and inhibition of telomerase activity by designer PPR proteins. Nature Communications, 2018, 9, 2212.	5.8	16
18	Mitochondrial mistranslation modulated by metabolic stress causes cardiovascular disease and reduced lifespan. Aging Cell, 2021, 20, e13408.	3.0	11

#	Article	IF	Citations
19	Computationally designed hyperactive Cas9 enzymes. Nature Communications, 2022, 13, .	5.8	8
20	A common genetic variant of a mitochondrial RNA processing enzyme predisposes to insulin resistance. Science Advances, 2021, 7, eabi7514.	4.7	4