

Payam A Gammage

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,705
citations

516561

16
h-index

713332

21
g-index

22
all docs

22
docs citations

22
times ranked

2341
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrially targeted ZFNs for selective degradation of pathogenic mitochondrial genomes bearing large-scale deletions or point mutations. <i>EMBO Molecular Medicine</i> , 2014, 6, 458-466.	3.3	237
2	Mitochondrial Genome Engineering: The Revolution May Not Be CRISPR-Ized. <i>Trends in Genetics</i> , 2018, 34, 101-110.	2.9	230
3	Genome editing in mitochondria corrects a pathogenic mtDNA mutation in vivo. <i>Nature Medicine</i> , 2018, 24, 1691-1695.	15.2	215
4	NADH Shuttling Couples Cytosolic Reductive Carboxylation of Glutamine with Glycolysis in Cells with Mitochondrial Dysfunction. <i>Molecular Cell</i> , 2018, 69, 581-593.e7.	4.5	171
5	Linear mitochondrial DNA is rapidly degraded by components of the replication machinery. <i>Nature Communications</i> , 2018, 9, 1727.	5.8	151
6	MRM2 and MRM3 are involved in biogenesis of the large subunit of the mitochondrial ribosome. <i>Molecular Biology of the Cell</i> , 2014, 25, 2542-2555.	0.9	99
7	Near-complete elimination of mutant mtDNA by iterative or dynamic dose-controlled treatment with mtZFNs. <i>Nucleic Acids Research</i> , 2016, 44, 7804-7816.	6.5	97
8	Mitochondrial DNA: the overlooked oncogenome?. <i>BMC Biology</i> , 2019, 17, 53.	1.7	92
9	C7orf30 is necessary for biogenesis of the large subunit of the mitochondrial ribosome. <i>Nucleic Acids Research</i> , 2012, 40, 4097-4109.	6.5	64
10	Respiratory complex and tissue lineage drive recurrent mutations in tumour mtDNA. <i>Nature Metabolism</i> , 2021, 3, 558-570.	5.1	58
11	Alternative translation initiation augments the human mitochondrial proteome. <i>Nucleic Acids Research</i> , 2013, 41, 2354-2369.	6.5	56
12	Therapeutic Manipulation of mtDNA Heteroplasmy: A Shifting Perspective. <i>Trends in Molecular Medicine</i> , 2020, 26, 698-709.	3.5	52
13	PINK1 drives production of mtDNA-containing extracellular vesicles to promote invasiveness. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	46
14	Engineered mtZFNs for Manipulation of Human Mitochondrial DNA Heteroplasmy. <i>Methods in Molecular Biology</i> , 2016, 1351, 145-162.	0.4	33
15	Mitochondrially-targeted APOBEC1 is a potent mtDNA mutator affecting mitochondrial function and organismal fitness in <i>Drosophila</i> . <i>Nature Communications</i> , 2019, 10, 3280.	5.8	23
16	Energetic costs of cellular and therapeutic control of stochastic mitochondrial DNA populations. <i>PLoS Computational Biology</i> , 2019, 15, e1007023.	1.5	20
17	Heterozygous SSBP1 start loss mutation co-segregates with hearing loss and the m.1555A>G mtDNA variant in a large multigenerational family. <i>Brain</i> , 2018, 141, 55-62.	3.7	19
18	Mitochondrial genotype remodels the metabolic and microenvironmental landscape of the cell carcinoma. <i>Science Advances</i> , 2022, 8, .	4.7	15

#	ARTICLE	IF	CITATIONS
19	Enhanced Manipulation of Human Mitochondrial DNA Heteroplasmy In Vitro Using Tunable mtZFN Technology. <i>Methods in Molecular Biology</i> , 2018, 1867, 43-56.	0.4	8
20	Delivery of mtZFNS into Early Mouse Embryos. <i>Methods in Molecular Biology</i> , 2018, 1867, 215-228.	0.4	6
21	Mitochondrially targeted zinc finger nucleases. , 2020, , 499-514.		0