Shoukhrat Mitalipov

List of Publications by Year
in descending order

26 papers	2,758 citations	394421 19 h-index	526287 27 g-index
27 all docs	27 docs citations	27 times ranked	3565 citing authors

#	Article	IF	Citations
1	Haploidy in somatic cells is induced by mature oocytes in mice. Communications Biology, 2022, 5, 95.	4.4	7
2	Horizontal mtDNA transfer between cells is common during mouse development. IScience, 2022, 25, 103901.	4.1	7
3	Germline transmission of donor, maternal and paternal mtDNA in primates. Human Reproduction, 2021, 36, 493-505.	0.9	22
4	Deleterious mtDNA mutations are common in mature oocytes. Biology of Reproduction, 2020, 102, 607-619.	2.7	15
5	The Rho-associated kinase inhibitor fasudil can replace Y-27632 for use in human pluripotent stem cell research. PLoS ONE, 2020, 15, e0233057.	2.5	16
6	Reply to: Reversion after replacement of mitochondrial DNA. Nature, 2019, 574, E12-E13.	27.8	6
7	Human cleaving embryos enable robust homozygotic nucleotide substitutions by base editors. Genome Biology, 2019, 20, 101.	8.8	20
8	Sarcomere Gene Mutation correction. European Heart Journal, 2018, 39, 1506-1507.	2.2	2
9	Germline and somatic mtDNA mutations in mouse aging. PLoS ONE, 2018, 13, e0201304.	2.5	24
10	Ma et al. reply. Nature, 2018, 560, E10-E23.	27.8	37
11	Molecular and functional resemblance of differentiated cells derived from isogenic human iPSCs and SCNT-derived ESCs. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11111-E11120.	7.1	68
12	Mitochondrial genome inheritance and replacement in the human germline. EMBO Journal, 2017, 36, 2177-2181.	7.8	28
13	Functional Human Oocytes Generated by Transfer of Polar Body Genomes. Cell Stem Cell, 2017, 20, 112-119.	11.1	76
14	Concise Review: Embryonic Stem Cells Derived by Somatic Cell Nuclear Transfer: A Horse in the Race?. Stem Cells, 2017, 35, 26-34.	3.2	35
15	Mitochondrial replacement in human oocytes carrying pathogenic mitochondrial DNA mutations. Nature, 2016, 540, 270-275.	27.8	264
16	Age-Related Accumulation of Somatic Mitochondrial DNA Mutations in Adult-Derived Human iPSCs. Cell Stem Cell, 2016, 18, 625-636.	11.1	190
17	Incompatibility between Nuclear and Mitochondrial Genomes Contributes to an Interspecies Reproductive Barrier. Cell Metabolism, 2016, 24, 283-294.	16.2	95
18	Mitochondria in pluripotent stem cells: stemness regulators and disease targets. Current Opinion in Genetics and Development, 2016, 38, 1-7.	3.3	41

#	Article	IF	Citations
19	Mitochondrial replacement therapy in reproductive medicine. Trends in Molecular Medicine, 2015, 21, 68-76.	6.7	133
20	Brains, Genes, and Primates. Neuron, 2015, 86, 617-631.	8.1	231
21	Comparable Frequencies of Coding Mutations and Loss of Imprinting in Human Pluripotent Cells Derived by Nuclear Transfer and Defined Factors. Cell Stem Cell, 2014, 15, 634-642.	11.1	113
22	Mitochondrial Replacement Therapies Can Circumvent mtDNA-Based Disease Transmission. Cell Metabolism, 2014, 20, 6-8.	16.2	13
23	Abnormalities in human pluripotent cells due to reprogramming mechanisms. Nature, 2014, 511, 177-183.	27.8	307
24	Towards germline gene therapy of inherited mitochondrial diseases. Nature, 2013, 493, 627-631.	27.8	373
25	Rapid Mitochondrial DNA Segregation in Primate Preimplantation Embryos Precedes Somatic and Germline Bottleneck. Cell Reports, 2012, 1, 506-515.	6.4	125
26	Mitochondrial gene replacement in primate offspring and embryonic stem cells. Nature, 2009, 461, 367-372.	27.8	504