Minoo Rassoulzadegan

List of Publications by Year
in descending order

40 papers	2,959 citations	361296 20 h-index	276775 41 g-index
47 all docs	47 docs citations	47 times ranked	2762 citing authors

#	Article	IF	Citations
1	RNA-mediated non-mendelian inheritance of an epigenetic change in the mouse. Nature, 2006, 441, 469-474.	13.7	853
2	RNA-mediated paternal heredity of diet-induced obesity and metabolic disorders. Scientific Reports, 2016, 5, 18193.	1.6	331
3	RNA Induction and Inheritance of Epigenetic Cardiac Hypertrophy in the Mouse. Developmental Cell, 2008, 14, 962-969.	3.1	242
4	RNAâ€“Mediated Epigenetic Heredity Requires the Cytosine Methyltransferase Dnmt2. PLoS Genetics, 2013, 9, e1003498.	1.5	173
5	The <i>miR-124</i>-<i>Sox9</i> paramutation: RNA-mediated epigenetic control of embryonic and adult growth. Development (Cambridge), 2009, 136, 3647-3655.	1.2	172
6	Sperm RNA code programmes the metabolic health of offspring. Nature Reviews Endocrinology, 2019, 15, 489-498.	4.3	152
7	Engineering chromosomes in mice through targeted meiotic recombination (TAMERE). Nature Genetics, 1998, 20, 381-384.	9.4	151
8	Novel Small Noncoding RNAs in Mouse Spermatozoa, Zygotes and Early Embryos. PLoS ONE, 2012, 7, e44542.	1.1	101
9	Transvection effects involving DNA methylation during meiosis in the mouse. EMBO Journal, 2002, 21, 440-450.	3.5	79
10	Inheritance of an Epigenetic Mark: The CpG DNA Methyltransferase 1 Is Required for De Novo Establishment of a Complex Pattern of Non-CpG Methylation. PLoS ONE, 2007, 2, e1136.	1.1	78
11	Cre expression in primary spermatocytes: A tool for genetic engineering of the germ line. Molecular Reproduction and Development, 1998, 51, 274-280.	1.0	76
12	Epigenetic Regulation by Heritable RNA. PLoS Genetics, 2014, 10, e1004296.	1.5	74
13	Inherited variation at the epigenetic level: paramutation from the plant to the mouse. Current Opinion in Genetics and Development, 2008, 18, 193-196.	1.5	66
14	Temporal and spatial control of the Sycp1 gene transcription in the mouse meiosis: regulatory elements active in the male are not sufficient for expression in the female gonad. Mechanisms of Development, 1999, 80, 29-39.	1.7	39
15	Dnmt2/Trdmt1 as Mediator of RNA Polymerase II Transcriptional Activity in Cardiac Growth. PLoS ONE, 2016, 11, e0156953.	1.1	39
16	Non-Mendelian epigenetic heredity: gametic RNAs as epigenetic regulators and transgenerational signals. Essays in Biochemistry, 2010, 48, 101-106.	2.1	38
17	A heritable profile of six miRNAs in autistic patients and mouse models. Scientific Reports, 2020, 10, 9011.	1.6	32
18	NF-ÎºB is developmentally regulated during spermatogenesis in mice. Developmental Dynamics, 2000, 219, 333-340.	0.8	25

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19	Sperm RNA: Quo vadis?. Seminars in Cell and Developmental Biology, 2020, 97, 123-130.	2.3	25
20	A load of small RNAs in the sperm â€" how many bits of hereditary information?. Cell Research, 2013, 23, 18-19.	5.7	23
21	Epigenetic heredity: RNAâ€mediated modes of phenotypic variation. Annals of the New York Academy of Sciences, 2015, 1341, 172-175.	1.8	22
22	Primary Spermatocyte-Specific Cre Recombinase Activity in Transgenic Mice. Transgenic Research, 2004, 13, 289-294.	1.3	18
23	From paramutation to human disease: RNA-mediated heredity. Seminars in Cell and Developmental Biology, 2015, 44, 47-50.	2.3	18
24	Small RNA-directed epigenetic programming of embryonic stem cell cardiac differentiation. Scientific Reports, 2017, 7, 41799.	1.6	18
25	TheSycp1Loci of the Mouse Genome: Successive Retropositions of a Meiotic Gene during the Recent Evolution of the Genus. Genomics, 1997, 44, 118-126.	1.3	17
26	Gene Control in Germinal Differentiation: Rnf6, a Transcription Regulatory Protein in the Mouse Sertoli Cell. Molecular and Cellular Biology, 2002, 22, 3488-3496.	1.1	17
27	A Network of Regulations by Small Non-Coding RNAs: The P-TEFb Kinase in Development and Pathology. Frontiers in Genetics, 2011, 2, 95.	1.1	13
28	The making of an organ. Organogenesis, 2010, 6, 33-36.	0.4	10
29	The Characterization of Sex Differences in Hypoglycemia-Induced Activation of HPA Axis on the Transcriptomic Level. Cellular and Molecular Neurobiology, 2021, , 1.	1.7	7
30	Decrease in RNase HII and Accumulation of lncRNAs/DNA Hybrids: A Causal Implication in Psoriasis?. Biomolecules, 2022, 12, 368.	1.8	7
31	Genome-Wide Distribution of Nascent Transcripts in Sperm DNA, Products of a Late Wave of General Transcription. Cells, 2019, 8, 1196.	1.8	6
32	DNA-RNA Hybrid (R-Loop): From a Unified Picture of the Mammalian Telomere to the Genome-Wide Profile. Cells, 2021, 10, 1556.	1.8	6
33	Sperm RNA, an â€œEpigenetic Rheostatâ€•of Gene Expression?. Archives of Andrology, 2007, 53, 235-238.	1.0	5
34	Nutrition meets heredity: a case of RNA-mediated transmission of acquired characters. Environmental Epigenetics, 2018, 4, dvy006.	0.9	5
35	Pipeline for the generation of gene knockout mice using dual sgRNA CRISPR/Cas9-mediated gene editing. Analytical Biochemistry, 2019, 568, 31-40.	1.1	5
36	Development of Transgenic Mice Expressing Calcitonin as a Beta-lactoglobulin Fusion Protein in Mammary Gland. Transgenic Research, 2005, 14, 719-727.	1.3	3

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37	A response to â€˜Mammalian paramutation: a tailâ€™s tale?â€™â€“ a commentary by H. Arnheiter on our paramutation paper. Pigment Cell and Melanoma Research, 2009, 22, 140-141.	1.5	3
38	A new paramutation-like example at the Delta gene of Drosophila. PLoS ONE, 2017, 12, e0172780.	1.1	2
39	Cre expression in primary spermatocytes: A tool for genetic engineering of the germ line. Molecular Reproduction and Development, 1998, 51, 274-280.	1.0	2
40	Mouse Paternal RNAs Initiate a Pattern of Metabolic Disorders in a Line-Dependent Manner. Frontiers in Genetics, 2022, 13, 839841.	1.1	2