Haruhiko Miyata

List of Publications by Year
in descending order

29 papers	1,574 citations	516215 16 h-index	476904 29 g-index
29 all docs	29 docs citations	29 times ranked	2105 citing authors

#	Article	IF	Citations
1	CRISPR/Cas9-mediated genome editing reveals 12 testis-enriched genes dispensable for male fertility in mice. Asian Journal of Andrology, 2022, 24, 266.	0.8	9
2	The motor domain of testis-enriched kinesin KIF9 is essential for its localization in the mouse flagellum. Experimental Animals, 2022, 71, 46-52.	0.7	2
3	Kastor and Polluks polypeptides encoded by a single gene locus cooperatively regulate VDAC and spermatogenesis. Nature Communications, 2022, 13, 1071.	5.8	14
4	TULP2 deletion mice exhibit abnormal outer dense fiber structure and male infertility. Reproductive Medicine and Biology, 2022, 21, .	1.0	3
5	IRGC1, a testis-enriched immunity related GTPase, is important for fibrous sheath integrity and sperm motility in mice. Developmental Biology, 2022, 488, 104-113.	0.9	4
6	ARMC12 regulates spatiotemporal mitochondrial dynamics during spermiogenesis and is required for male fertility. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	39
7	SPATA33 localizes calcineurin to the mitochondria and regulates sperm motility in mice. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	20
8	FAM71F1 binds to RAB2A and RAB2B and is essential for acrosome formation and male fertility in mice. Development (Cambridge), 2021, 148, .	1.2	10
9	Cfap97d1Âis important for flagellar axoneme maintenance and male mouse fertility. PLoS Genetics, 2020, 16, e1008954.	1.5	15
10	CRISPR/CAS9-mediated amino acid substitution reveals phosphorylation residues of RSPH6A are not essential for male fertility in miceâ€. Biology of Reproduction, 2020, 103, 912-914.	1.2	5
11	CIB4 is essential for the haploid phase of spermatogenesis in miceâ€. Biology of Reproduction, 2020, 103, 235-243.	1.2	8
12	CRISPR/Cas9-based genome editing in mice uncovers 13 testis- or epididymis-enriched genes individually dispensable for male reproductionâ€. Biology of Reproduction, 2020, 103, 183-194.	1.2	21
13	Analysis of the sperm flagellar axoneme using gene-modified mice. Experimental Animals, 2020, 69, 374-381.	0.7	12
14	Bi-allelic DNAH8 Variants Lead to Multiple Morphological Abnormalities of the Sperm Flagella and Primary Male Infertility. American Journal of Human Genetics, 2020, 107, 330-341.	2.6	111
15	Testisâ€enriched kinesin KIF9 is important for progressive motility in mouse spermatozoa. FASEB Journal, 2020, 34, 5389-5400.	0.2	27
16	Nexin-Dynein regulatory complex component DRC7 but not FBXL13 is required for sperm flagellum formation and male fertility in mice. PLoS Genetics, 2020, 16, e1008585.	1.5	28
17	Chimeric analysis with newly established EGFP/DsRed2-tagged ES cells identify HYDIN as essential for spermiogenesis in mice. Experimental Animals, 2019, 68, 25-34.	0.7	14
18	Glycerol kinase 2 is essential for proper arrangement of crescent-like mitochondria to form the mitochondrial sheath during mouse spermatogenesis. Journal of Reproduction and Development, 2019, 65, 155-162.	0.5	33

#	Article	IF	Citations
19	CRISPR/Cas9-mediated genome editing reveals 30 testis-enriched genes dispensable for male fertility in miceâ€. Biology of Reproduction, 2019, 101, 501-511.	1.2	81
20	Factors controlling sperm migration through the oviduct revealed by gene-modified mouse models. Experimental Animals, 2018, 67, 91-104.	0.7	43
21	Revolutionizing male fertility factor research in mice by using the genome editing tool <scp>CRISPR</scp>/Cas9. Reproductive Medicine and Biology, 2018, 17, 3-10.	1.0	28
22	Radial spoke head 6 homolog a is required for sperm flagellum formation and male fertility in mice. Journal of Cell Science, 2018, 131, .	1.2	75
23	TCTE1 is a conserved component of the dynein regulatory complex and is required for motility and metabolism in mouse spermatozoa. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5370-E5378.	3.3	74
24	CRISPR/Cas9 mediated genome editing in ES cells and its application for chimeric analysis in mice. Scientific Reports, 2016, 6, 31666.	1.6	85
25	Behavior of Mouse Spermatozoa in the Female Reproductive Tract from Soon after Mating to the Beginning of Fertilization1. Biology of Reproduction, 2016, 94, 80.	1.2	108
26	A Role of TMEM16E Carrying a Scrambling Domain in Sperm Motility. Molecular and Cellular Biology, 2016, 36, 645-659.	1.1	64
27	Genome engineering uncovers 54 evolutionarily conserved and testis-enriched genes that are not required for male fertility in mice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7704-7710.	3.3	134
28	Sperm calcineurin inhibition prevents mouse fertility with implications for male contraceptive. Science, 2015, 350, 442-445.	6.0	137
29	Generation of mutant mice by pronuclear injection of circular plasmid expressing Cas9 and single guided RNA. Scientific Reports, 2013, 3, 3355.	1.6	370