Tatsuo Miyamoto

List of Publications by Year
in descending order

36 papers	1,691 citations	430843 18 h-index	361001 35 g-index
38 all docs	38 docs citations	38 times ranked	2879 citing authors

#	Article	IF	Citations
1	YAP is essential for tissue tension to ensure vertebrate 3D body shape. Nature, 2015, 521, 217-221.	27.8	237
2	Repeating pattern of non-RVD variations in DNA-binding modules enhances TALEN activity. Scientific Reports, 2013, 3, 3379.	3.3	195
3	Efficient <scp>TALEN</scp> construction and evaluation methods for human cell and animal applications. Genes To Cells, 2013, 18, 315-326.	1.2	190
4	Tight junctions in Schwann cells of peripheral myelinated axons. Journal of Cell Biology, 2005, 169, 527-538.	5.2	176
5	Compartmentalization established by claudin-11-based tight junctions in stria vascularis is required for hearing through generation of endocochlear potential. Journal of Cell Science, 2004, 117, 5087-5096.	2.0	169
6	The Microtubule-Depolymerizing Activity of a Mitotic Kinesin Protein KIF2A Drives Primary Cilia Disassembly Coupled with Cell Proliferation. Cell Reports, 2015, 10, 664-673.	6.4	128
7	Space Radiation Biology for â€œLiving in Spaceâ€• BioMed Research International, 2020, 2020, 1-25.	1.9	75
8	Insufficiency of BUBR1, a mitotic spindle checkpoint regulator, causes impaired ciliogenesis in vertebrates. Human Molecular Genetics, 2011, 20, 2058-2070.	2.9	52
9	TALEN-mediated single-base-pair editing identification of an intergenic mutation upstream of BUB1B as causative of PCS (MVA) syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1461-1466.	7.1	52
10	Two unrelated patients with MRE11A mutations and Nijmegen breakage syndrome-like severe microcephaly. DNA Repair, 2011, 10, 314-321.	2.8	49
11	Zinc-finger nuclease-mediated targeted insertion of reporter genes for quantitative imaging of gene expression in sea urchin embryos. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10915-10920.	7.1	40
12	Insufficiency of ciliary cholesterol in hereditary Zellweger syndrome. EMBO Journal, 2020, 39, e103499.	7.8	35
13	Genome-wide association meta-analysis identifies GP2 gene risk variants for pancreatic cancer. Nature Communications, 2020, 11, 3175.	12.8	34
14	HpSulf, a heparan sulfate 6-O-endosulfatase, is involved in the regulation of VEGF signaling during sea urchin development. Mechanisms of Development, 2010, 127, 235-245.	1.7	33
15	PLK1-mediated phosphorylation of WDR62/MCPH2 ensures proper mitotic spindle orientation. Human Molecular Genetics, 2017, 26, 4429-4440.	2.9	32
16	Cytoskeleton-related regulation of primary cilia shortening mediated by melanin-concentrating hormone receptor 1. General and Comparative Endocrinology, 2017, 253, 44-52.	1.8	24
17	Functional consequence of fibulin-4 missense mutations associated with vascular and skeletal abnormalities and cutis laxa. Matrix Biology, 2016, 56, 132-149.	3.6	19
18	Evaluation of ATM heterozygous mutations underlying individual differences in radiosensitivity using genome editing in human cultured cells. Scientific Reports, 2017, 7, 5996.	3.3	18

#	Article	IF	Citations
19	Sulforaphane suppresses metastasis of triple-negative breast cancer cells by targeting the RAF/MEK/ERK pathway. Npj Breast Cancer, 2022, 8, 40.	5.2	17
20	Characterization of Functional Primary Cilia in Human Induced Pluripotent Stem Cell-Derived Neurons. Neurochemical Research, 2019, 44, 1736-1744.	3.3	16
21	Cilia play a role in breaking leftâ€“right symmetry of the sea urchin embryo. Genes To Cells, 2016, 21, 568-578.	1.2	12
22	Coordinated regulation of the dorsalâ€ventral and anteriorâ€posterior patterning of Xenopus embryos by the <scp>BTB</scp>/<scp>POZ</scp> zinc finger protein Zbtb14. Development Growth and Differentiation, 2018, 60, 158-173.	1.5	11
23	Exploration of genetic basis underlying individual differences in radiosensitivity within human populations using genome editing technology. Journal of Radiation Research, 2018, 59, ii75-ii82.	1.6	11
24	Ciliary GPCRâ€based transcriptome as a key regulator of cilia length control. FASEB BioAdvances, 2021, 3, 744-767.	2.4	11
25	Premature aging syndrome showing random chromosome number instabilities with CDC20 mutation. Aging Cell, 2020, 19, e13251.	6.7	10
26	Analysis of individual differences in radiosensitivity using genome editing. Annals of the ICRP, 2016, 45, 290-296.	3.8	8
27	Generation of transgenic medaka expressing claudin7-EGFP for imaging of tight junctions in living medaka embryos. Cell and Tissue Research, 2009, 335, 465-471.	2.9	6
28	Updated summary of genome editing technology in human cultured cells linked to human genetics studies. Journal of Human Genetics, 2018, 63, 133-143.	2.3	6
29	Albatross/FBF1 contributes to both centriole duplication and centrosome separation. Genes To Cells, 2018, 23, 1023-1042.	1.2	6
30	Applications of Genome Editing Technology in Research on Chromosome Aneuploidy Disorders. Cells, 2020, 9, 239.	4.1	5
31	iPSC reprogramming-mediated aneuploidy correction in autosomal trisomy syndromes. PLoS ONE, 2022, 17, e0264965.	2.5	4
32	A novel CDK-independent function of p27Kip1 in preciliary vesicle trafficking during ciliogenesis. Biochemical and Biophysical Research Communications, 2020, 527, 716-722.	2.1	3
33	NBS1 I171V variant underlies individual differences in chromosomal radiosensitivity within human populations. Scientific Reports, 2021, 11, 19661.	3.3	3
34	In Vivo Imaging of Tight Junctions Using Claudinâ€EGFP Transgenic Medaka. Methods in Molecular Biology, 2011, 762, 171-178.	0.9	2
35	Imaging of the Ciliary Cholesterol Underlying the Sonic Hedgehog Signal Transduction. Methods in Molecular Biology, 2022, 2374, 49-57.	0.9	1
36	Ciliopathy in PCS (MVA) syndrome. Oncotarget, 2015, 6, 24582-24583.	1.8	1