Tatsuo Miyamoto

List of Publications by Year in Descending Order

35 papers	1,256 citations	16 h-index	35 g-index
38 ext. papers	1,544 ext. citations	6.6 avg, IF	3.64 L-index

#	Paper	IF	Citations
35	Imaging of the Ciliary Cholesterol Underlying the Sonic Hedgehog Signal Transduction. *Methods in Molecular Biology*, **2022**, 2374, 49-57	1.4	0
34	iPSC reprogramming-mediated aneuploidy correction in autosomal trisomy syndromes.. *PLoS ONE*, **2022**, 17, e0264965	3.7	0
33	Sulforaphane suppresses metastasis of triple-negative breast cancer cells by targeting the RAF/MEK/ERK pathway.. *Npj Breast Cancer*, **2022**, 8, 40	7.8	2
32	NBS1 I171V variant underlies individual differences in chromosomal radiosensitivity within human populations. *Scientific Reports*, **2021**, 11, 19661	4.9	0
31	Ciliary GPCR-based transcriptome as a key regulator of cilia length control. *FASEB BioAdvances*, **2021**, 3, 744-767	2.8	4
30	Premature aging syndrome showing random chromosome number instabilities with CDC20 mutation. *Aging Cell*, **2020**, 19, e13251	9.9	4
29	A novel CDK-independent function of p27 in preciliary vesicle trafficking during ciliogenesis. *Biochemical and Biophysical Research Communications*, **2020**, 527, 716-722	3.4	2
28	Genome-wide association meta-analysis identifies GP2 gene risk variants for pancreatic cancer. *Nature Communications*, **2020**, 11, 3175	17.4	14
27	Applications of Genome Editing Technology in Research on Chromosome Aneuploidy Disorders. *Cells*, **2020**, 9,	7.9	3
26	Insufficiency of ciliary cholesterol in hereditary Zellweger syndrome. *EMBO Journal*, **2020**, 39, e103499	13	17
25	Space Radiation Biology for "Living in Space". *BioMed Research International*, **2020**, 2020, 4703286	3	40
24	Characterization of Functional Primary Cilia in Human Induced Pluripotent Stem Cell-Derived Neurons. *Neurochemical Research*, **2019**, 44, 1736-1744	4.6	11
23	Coordinated regulation of the dorsal-ventral and anterior-posterior patterning of Xenopus embryos by the BTB/POZ zinc finger protein Zbtb14. *Development Growth and Differentiation*, **2018**, 60, 158-173	3	7
22	Exploration of genetic basis underlying individual differences in radiosensitivity within human populations using genome editing technology. *Journal of Radiation Research*, **2018**, 59, ii75-ii82	2.4	7
21	Updated summary of genome editing technology in human cultured cells linked to human genetics studies. *Journal of Human Genetics*, **2018**, 63, 133-143	4.3	3
20	Albatross/FBF1 contributes to both centriole duplication and centrosome separation. *Genes To Cells*, **2018**, 23, 1023-1042	2.3	3
19	PLK1-mediated phosphorylation of WDR62/MCPH2 ensures proper mitotic spindle orientation. *Human Molecular Genetics*, **2017**, 26, 4429-4440	5.6	26

18	Evaluation of ATM heterozygous mutations underlying individual differences in radiosensitivity using genome editing in human cultured cells. *Scientific Reports*, **2017**, 7, 5996	4.9	14
17	Cytoskeleton-related regulation of primary cilia shortening mediated by melanin-concentrating hormone receptor 1. *General and Comparative Endocrinology*, **2017**, 253, 44-52	3	19
16	Cilia play a role in breaking left-right symmetry of the sea urchin embryo. *Genes To Cells*, **2016**, 21, 568-78	2.3	6
15	Functional consequence of fibulin-4 missense mutations associated with vascular and skeletal abnormalities and cutis laxa. *Matrix Biology*, **2016**, 56, 132-149	11.4	17
14	Analysis of individual differences in radiosensitivity using genome editing. *Annals of the ICRP*, **2016**, 45, 290-6	2.4	6
13	YAP is essential for tissue tension to ensure vertebrate 3D body shape. *Nature*, **2015**, 521, 217-221	50.4	154
12	The Microtubule-Depolymerizing Activity of a Mitotic Kinesin Protein KIF2A Drives Primary Cilia Disassembly Coupled with Cell Proliferation. *Cell Reports*, **2015**, 10, 664-673	10.6	78
11	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, 1461-6	11.5	43
10	Efficient TALEN construction and evaluation methods for human cell and animal applications. *Genes To Cells*, **2013**, 18, 315-26	2.3	171
9	Repeating pattern of non-RVD variations in DNA-binding modules enhances TALEN activity. *Scientific Reports*, **2013**, 3, 3379	4.9	165
8	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, 10915-20	11.5	37
7	Two unrelated patients with MRE11A mutations and Nijmegen breakage syndrome-like severe microcephaly. *DNA Repair*, **2011**, 10, 314-21	4.3	46
6	Insufficiency of BUBR1, a mitotic spindle checkpoint regulator, causes impaired ciliogenesis in vertebrates. *Human Molecular Genetics*, **2011**, 20, 2058-70	5.6	41
5	In vivo imaging of tight junctions using claudin-EGFP transgenic medaka. *Methods in Molecular Biology*, **2011**, 762, 171-8	1.4	2
4	HpSulf, a heparan sulfate 6-O-endosulfatase, is involved in the regulation of VEGF signaling during sea urchin development. *Mechanisms of Development*, **2010**, 127, 235-45	1.7	30
3	Generation of transgenic medaka expressing claudin7-EGFP for imaging of tight junctions in living medaka embryos. *Cell and Tissue Research*, **2009**, 335, 465-71	4.2	6
2	Tight junctions in Schwann cells of peripheral myelinated axons: a lesson from claudin-19-deficient mice. *Journal of Cell Biology*, **2005**, 169, 527-38	7.3	141
1	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, 5087-96	5.3	137