Atsushi Yoshiki

List of Publications by Year
in descending order

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106 papers	6,304 citations	101384 36 h-index	74018 75 g-index
116 all docs	116 docs citations	116 times ranked	10787 citing authors

#	Article	IF	Citations
1	High-throughput discovery of novel developmental phenotypes. Nature, 2016, 537, 508-514.	13.7	1,001
2	An expressed pseudogene regulates the messenger-RNA stability of its homologous coding gene. Nature, 2003, 423, 91-96.	13.7	369
3	The reeler gene encodes a protein with an EGFâ€“like motif expressed by pioneer neurons. Nature Genetics, 1995, 10, 77-83.	9.4	333
4	Genetic Differences among C57BL/6 Substrains. Experimental Animals, 2009, 58, 141-149.	0.7	296
5	Island Cells Control Temporal Association Memory. Science, 2014, 343, 896-901.	6.0	269
6	Heat Shock Protein 70 Chaperone Overexpression Ameliorates Phenotypes of the Spinal and Bulbar Muscular Atrophy Transgenic Mouse Model by Reducing Nuclear-Localized Mutant Androgen Receptor Protein. Journal of Neuroscience, 2003, 23, 2203-2211.	1.7	252
7	Distinct Neural Circuits for the Formation and Retrieval of Episodic Memories. Cell, 2017, 170, 1000-1012.e19.	13.5	221
8	Prevalence of sexual dimorphism in mammalian phenotypic traits. Nature Communications, 2017, 8, 15475.	5.8	200
9	Delineating developmental and metabolic pathways in vivo by expression profiling using the RIKEN set of 18,816 full-length enriched mouse cDNA arrays. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 2199-2204.	3.3	197
10	Genetic variation of melatonin productivity in laboratory mice under domestication. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6412-6417.	3.3	160
11	Targeting a Complex Transcriptome: The Construction of the Mouse Full-Length cDNA Encyclopedia. Genome Research, 2003, 13, 1273-1289.	2.4	154
12	Complete Loss of Ndel1 Results in Neuronal Migration Defects and Early Embryonic Lethality. Molecular and Cellular Biology, 2005, 25, 7812-7827.	1.1	149
13	Human Peptidylarginine Deiminase Type III: Molecular Cloning and Nucleotide Sequence of the cDNA, Properties of the Recombinant Enzyme, and Immunohistochemical Localization in Human Skin. Journal of Investigative Dermatology, 2000, 115, 813-823.	0.3	121
14	A large scale hearing loss screen reveals an extensive unexplored genetic landscape for auditory dysfunction. Nature Communications, 2017, 8, 886.	5.8	116
15	Mouse Phenome Research: Implications of Genetic Background. ILAR Journal, 2006, 47, 94-102.	1.8	108
16	Dysfunction of the Orleans reeler gene arising from exon skipping due to transposition of a full-length copy of an active L1 sequence into the skipped exon. Human Molecular Genetics, 1996, 5, 989-993.	1.4	91
17	Recruitment of katanin p60 by phosphorylated NDEL1, an LIS1 interacting protein, is essential for mitotic cell division and neuronal migration. Human Molecular Genetics, 2005, 14, 3113-3128.	1.4	91
18	Abnormal Behavior and Neurotransmissions of Tenascin Gene Knockout Mouse. Biochemical and Biophysical Research Communications, 1996, 221, 151-156.	1.0	85

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19	Protein phosphatase 4 catalytic subunit regulates Cdk1 activity and microtubule organization via NDEL1 dephosphorylation. Journal of Cell Biology, 2008, 180, 1133-1147.	2.3	69
20	Reproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluation. Genome Biology, 2019, 20, 171.	3.8	69
21	Methylation and Downregulated Expression of mac25/Insulin-like Growth Factor Binding Protein-7 Is Associated with Liver Tumorigenesis in SV40T/t Antigen Transgenic Mice, Screened by Restriction Landmark Genomic Scanning for Methylation (RLGS-M). Biochemical and Biophysical Research Communications, 2000, 267, 109-117.	1.0	66
22	A Simple and Robust Method for Establishing Homogeneous Mouse Epiblast Stem Cell Lines by Wnt Inhibition. Stem Cell Reports, 2015, 4, 744-757.	2.3	65
23	A new role for expressed pseudogenes as ncRNA: regulation of mRNA stability of its homologous coding gene. Journal of Molecular Medicine, 2004, 82, 414-22.	1.7	63
24	A resource of targeted mutant mouse lines for 5,061 genes. Nature Genetics, 2021, 53, 416-419.	9.4	60
25	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. Nature Communications, 2018, 9, 288.	5.8	59
26	Pathogenic POGZ mutation causes impaired cortical development and reversible autism-like phenotypes. Nature Communications, 2020, 11, 859.	5.8	59
27	Recent Advances in the Modeling of Alzheimerâ€™s Disease. Frontiers in Neuroscience, 2022, 16, 807473.	1.4	55
28	Novel ROSA26 Cre-reporter Knock-in C57BL/6N Mice Exhibiting Green Emission before and Red Emission after Cre-mediated Recombination. Experimental Animals, 2013, 62, 295-304.	0.7	53
29	Effect of Tenascin-C Deficiency on Chemically Induced Dermatitis in the Mouse. Journal of Investigative Dermatology, 1998, 111, 930-935.	0.3	51
30	JDP2 suppresses adipocyte differentiation by regulating histone acetylation. Cell Death and Differentiation, 2007, 14, 1398-1405.	5.0	51
31	Unique Inbred Strain MSM/Ms Established from the Japanese Wild Mouse. Experimental Animals, 2009, 58, 123-134.	0.7	51
32	Substrains matter in phenotyping of C57BL/6 mice. Experimental Animals, 2021, 70, 145-160.	0.7	50
33	Characterization of Gene Expression in Mouse Blastocyst Using Single-Pass Sequencing of 3995 Clones. Genomics, 1998, 49, 167-179.	1.3	47
34	Suppression of cell-cycle progression by Jun dimerization protein-2 (JDP2) involves downregulation of cyclin-A2. Oncogene, 2010, 29, 6245-6256.	2.6	46
35	NBRP databases: databases of biological resources in Japan. Nucleic Acids Research, 2010, 38, D26-D32.	6.5	44
36	Germ line chimera produced by transfer of cultured chick primordial germ cells.. Cell Biology International, 1995, 19, 569-576.	1.4	43

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37	A High-Speed Congenic Strategy Using First-Wave Male Germ Cells. PLoS ONE, 2009, 4, e4943.	1.1	42
38	The Mouse Resources at the RIKEN BioResource Center. Experimental Animals, 2009, 58, 85-96.	0.7	42
39	A Methylation Imprint Mark in the Mouse Imprinted GeneGrf1/Cdc25MmLocus Shares a Common Feature with theU2afbp-rsGene: An Association with a Short Tandem Repeat and a Hypermethylated Region. Genomics, 1998, 49, 30-37.	1.3	37
40	Identification of genes required for eye development by high-throughput screening of mouse knockouts. Communications Biology, 2018, 1, 236.	2.0	37
41	Lymphocytic choriomeningitis infection undetected by dirty-bedding sentinel monitoring and revealed after embryo transfer of an inbred strain derived from wild mice. Comparative Medicine, 2007, 57, 272-81.	0.4	35
42	Direct detection and isolation of restriction landmark genomic scanning (RLGS) spot DNA markers tightly linked to a specific trait by using the RLGS spot-bombing method.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 5610-5614.	3.3	33
43	Retinoic acid controls blood vessel formation by modulating endothelial and mural cell interaction via suppression of Tie2 signaling in vascular progenitor cells. Blood, 2004, 104, 166-169.	0.6	32
44	High Resolution Intravital Imaging of Subcellular Structures of Mouse Abdominal Organs Using a Microstage Device. PLoS ONE, 2012, 7, e33876.	1.1	32
45	High Osmolality Vitrification: A New Method for the Simple and Temperature-Permissive Cryopreservation of Mouse Embryos. PLoS ONE, 2013, 8, e49316.	1.1	31
46	Heat shock-induced reactivation of herpes simplex virus type 1 in latently infected mouse trigeminal ganglion cells in dissociated culture. Archives of Virology, 1994, 135, 419-425.	0.9	30
47	PDGF Receptor-Î± Deficiency in Glomerular Mesangial Cells of Tenascin-C Knockout Mice. Biochemical and Biophysical Research Communications, 2002, 290, 1220-1227.	1.0	30
48	Devising Assisted Reproductive Technologies for Wild-Derived Strains of Mice: 37 Strains from Five Subspecies of Mus musculus. PLoS ONE, 2014, 9, e114305.	1.1	29
49	Development of SNP markers for C57BL/6N-derived mouse inbred strains. Experimental Animals, 2015, 64, 91-100.	0.7	29
50	Tyrosine Hydroxylase Activity and Its mRNA Level in Dopaminergic Neurons of Tenascin Gene Knockout Mouse. Biochemical and Biophysical Research Communications, 1997, 231, 356-359.	1.0	28
51	Mutations in the helix termination motif of mouse type I IRS keratin genes impair the assembly of keratin intermediate filament. Genomics, 2007, 90, 703-711.	1.3	27
52	Understanding the X chromosome inactivation cycle in mice. Epigenetics, 2014, 9, 204-211.	1.3	27
53	Loss of cortical and thalamic neuronal tenascin-C expression in a transgenic mouse expressing exon 1 of the human Huntington disease gene. Journal of Comparative Neurology, 2001, 430, 485-500.	0.9	26
54	An Oocyte-Specific Methylation Imprint Center in the MouseU2afbp-rs/U2af1-rs1Gene Marks the Establishment of Allele-Specific Methylation during Preimplantation Development. Genomics, 1997, 44, 171-178.	1.3	24

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55	Generation and Characterization of Ins1-cre-driver C57BL/6N for Exclusive Pancreatic Beta Cell-specific Cre-loxP Recombination. Experimental Animals, 2014, 63, 183-191.	0.7	24
56	Off- and on-target effects of genome editing in mouse embryos. Journal of Reproduction and Development, 2019, 65, 1-5.	0.5	24
57	The RIKEN integrated database of mammals. Nucleic Acids Research, 2011, 39, D861-D870.	6.5	23
58	Efficient production of large deletion and gene fragment knock-in mice mediated by genome editing with Cas9-mouse Cdt1 in mouse zygotes. Methods, 2021, 191, 23-31.	1.9	23
59	Distribution of the C1473G polymorphism in tryptophan hydroxylase 2 gene in laboratory and wild mice. Genes, Brain and Behavior, 2010, 9, 537-543.	1.1	22
60	Generation of CRISPR/Cas9-mediated bicistronic knock-in <i>ins1-cre</i> driver mice. Experimental Animals, 2016, 65, 319-327.	0.7	22
61	Extensive identification of genes involved in congenital and structural heart disorders and cardiomyopathy. , 2022, 1, 157-173.		22
62	Establishment of germline-competent embryonic stem cell lines from the MSM/Ms strain. Mammalian Genome, 2009, 20, 14-20.	1.0	19
63	Sex-Reversed Somatic Cell Cloning in the Mouse. Journal of Reproduction and Development, 2009, 55, 566-569.	0.5	19
64	Expression of c-kit, a proto-oncogene of the murine W locus, in cerebella of normal and neurological mutant mice: Immunohistochemical and in situ hybridization analysis. Differentiation, 1992, 51, 121-127.	1.0	18
65	Histological studies on male sterility of hybrids between laboratory and wild mouse strains. (hybrid) Tj ETQq1 1 0.784314 rgBT /Overlock 1993, 35, 271-281.	0.6	17
66	Efficient production of androgenetic embryos by round spermatid injection. Genesis, 2009, 47, 155-160.	0.8	16
67	Characterization of novel dystonia musculorum mutant mice: Implications for central nervous system abnormality. Neurobiology of Disease, 2016, 96, 271-283.	2.1	16
68	NIG_MoG: a mouse genome navigator for exploring intersubspecific genetic polymorphisms. Mammalian Genome, 2015, 26, 331-337.	1.0	15
69	A hyperthermostable bacterial histone-like protein as an efficient mediator for transfection of eukaryotic cells. Nature Biotechnology, 2000, 18, 1211-1213.	9.4	14
70	Invasion of Melanoma in Double Knockout Mice Lacking Tenascin-X and Tenascin-C. Japanese Journal of Cancer Research, 2002, 93, 968-975.	1.7	14
71	Tenascin-C Expression and Splice Variant in Habu Snake Venom-Induced Glomerulonephritis. Experimental and Molecular Pathology, 2002, 72, 186-195.	0.9	14
72	Fates of Cdh23/CDH23 with mutations affecting the cytoplasmic region. Human Mutation, 2006, 27, 88-97.	1.1	13

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73	Cryopreservation of Mouse Embryos by Ethylene Glycol-Based Vitrification. Journal of Visualized Experiments, 2011, , .	0.2	13
74	Effects of background mutations and single nucleotide polymorphisms (SNPs) on the Disc1 L100P behavioral phenotype associated with schizophrenia in mice. Behavioral and Brain Functions, 2014, 10, 45.	1.4	13
75	Macrophage-Associated Gelatinase Degrades Basement Membrane at the Optic Fissure Margins During Normal Ocular Development in Mice. , 2018, 59, 1368.		12
76	Chromosomal localization of a gene responsible for vestibulocochlear defects of BUS/Idr mice: identification as an allele of waltzer. Hearing Research, 1999, 134, 116-122.	0.9	11
77	TSC-36 (Follistatin-Related Polypeptide) Gene Expression in Estrogen Receptor Positive Osteoblastic Cell Line, CDO7F. Calcified Tissue International, 1997, 61, 400-403.	1.5	10
78	DAJIN enables multiplex genotyping to simultaneously validate intended and unintended target genome editing outcomes. PLoS Biology, 2022, 20, e3001507.	2.6	9
79	Identification of seven loci for static glucokinesis and dynamic glucokinesis in mice. Mammalian Genome, 2002, 13, 293-298.	1.0	8
80	Diverse dystonin gene mutations cause distinct patterns of Dst isoform deficiency and phenotypic heterogeneity in D ystonia musculorum mice. DMM Disease Models and Mechanisms, 2020, 13, .	1.2	8
81	Evidence for the presence of hepatic stem cells in the murine fetal liver. Transplantation Proceedings, 1999, 31, 454.	0.3	7
82	Kbus/Idr, a mutant mouse strain with skeletal abnormalities and hypophosphatemia: Identification as an allele of 'Hyp'. Journal of Biomedical Science, 2011, 18, 60.	2.6	6
83	Establishment and application of information resource of mutant mice in RIKEN BioResource Research Center. Laboratory Animal Research, 2021, 37, 6.	1.1	6
84	Proliferative and functional ability of transplanted murine neonatal hepatocytes in adult livers. Transplantation Proceedings, 2000, 32, 2370-2371.	0.3	5
85	Simultaneous Detection of Multiple Transgenes for Genetically-Modified Mouse Strains. Experimental Animals, 2009, 58, 437-442.	0.7	5
86	Germline recombination in a novel Cre transgenic line, Prl3b1â€Cre mouse. Genesis, 2016, 54, 389-397.	0.8	5
87	Dynamic erectile responses of a novel penile organ model utilizing TPEMâ€. Biology of Reproduction, 2021, 104, 875-886.	1.2	5
88	Identification of a New Target Molecule for a Cascade Therapy of Polycystic Kidney.. Human Cell, 2003, 16, 65-72.	1.2	4
89	Development of assisted reproductive technologies for Mus spretusâ€. Biology of Reproduction, 2021, 104, 234-243.	1.2	4
90	Response to correspondence on â€œReproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluationâ€• Genome Biology, 2021, 22, 99.	3.8	4

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91	MoG+: a database of genomic variations across three mouse subspecies for biomedical research. Mammalian Genome, 2022, 33, 31-43.	1.0	4
92	Genetic quality: a complex issue for experimental study reproducibility. Transgenic Research, 2022, 31, 413-430.	1.3	4
93	Cryopreservation of Strains and Mutant Genes in Mice. Experimental Animals, 1987, 36, 379-386.	0.7	3
94	DNA Replication in Uterine Cells of Adult and Prepubertal Mice Under Normal and Hormonally Stimulated Conditions Detected by Bromodeoxyuridine Labeling Method.. Endocrinologia Japonica, 1990, 37, 183-191.	0.5	3
95	Quick validation of genetic quality for conditional alleles in mice. Genes To Cells, 2021, 26, 240-245.	0.5	3
96	Reverse genetics reveals single gene of every candidate on Hybrid sterility, X Chromosome QTL 2 (Hstx2) are dispensable for spermatogenesis. Scientific Reports, 2020, 10, 9060.	1.6	2
97	Characterization of a bicistronic knock-in reporter mouse model for investigating the role of CABLES2 <i>in vivo</i>. Experimental Animals, 2021, 70, 22-30.	0.7	2
98	Mouse resources at the RIKEN BioResource Research Center and the National BioResource Project core facility in Japan. Mammalian Genome, 2021, , 1.	1.0	2
99	Suppression of cell cycle progression by Jun dimerization protein (JDP2) involves down-regulation of cyclin A2. Nature Precedings, 2009, , .	0.1	1
100	Asian Mouse Mutagenesis Resource Association (AMMRA): mouse genetics and laboratory animal resources in the Asia Pacific. Mammalian Genome, 2021, , 1.	1.0	1
101	Establishment of mouse line showing inducible priapismâ€like phenotypes. Reproductive Medicine and Biology, 2022, 21, .	1.0	1
102	Phenotypic analysis of Rorb mutant mice. Neuroscience Research, 2009, 65, S71.	1.0	0
103	Dissemination of Advanced Mouse Resources and Technologies at RIKEN BioResource Center. Interdisciplinary Bio Central, 2010, 2, 15.1-15.5.	0.1	0
104	Histological analyses of the role of the Rorb in the mouse retina. Neuroscience Research, 2010, 68, e432.	1.0	0
105	Development of Linked Open Data for Bioresources. Lecture Notes in Computer Science, 2013, , 350-355.	1.0	0
106	ICLAS LAQ Network for the Promotion of Animal Quality in Research. ILAR Journal, 2022, , .	1.8	0