Kyoji Horie

List of Publications by Year
in descending order

48	2,441	218677	233421
papers	citations	26 h-index	45 g-index

51	51	51	3783
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Cluster of Interferon-Î³-Inducible p65 GTPases Plays a Critical Role in Host Defense against Toxoplasma gondii. Immunity, 2012, 37, 302-313.	14.3	311
2	Development of the circadian oscillator during differentiation of mouse embryonic stem cells in vitro. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3846-3851.	7.1	189
3	Characterization of Sleeping Beauty Transposition and Its Application to Genetic Screening in Mice. Molecular and Cellular Biology, 2003, 23, 9189-9207.	2.3	146
4	Target-site Preferences of Sleeping Beauty Transposons. Journal of Molecular Biology, 2005, 346, 161-173.	4.2	133
5	Region-specific saturation germline mutagenesis in mice using the Sleeping Beauty transposon system. Nature Methods, 2005, 2, 763-769.	19.0	112
6	Unequal Contribution of Akt Isoforms in the Double-Negative to Double-Positive Thymocyte Transition. Journal of Immunology, 2007, 178, 5443-5453.	0.8	100
7	SMOC1 Is Essential for Ocular and Limb Development in Humans and Mice. American Journal of Human Genetics, 2011, 88, 30-41.	6.2	100
8	Transposon-tagged mutagenesis in the rat. Nature Methods, 2007, 4, 131-133.	19.0	88
9	An Inducible and Reversible Mouse Genetic Rescue System. PLoS Genetics, 2008, 4, e1000069.	3.5	82
10	Genome-wide phenotype analysis in ES cells by regulated disruption of Bloom's syndrome gene. Nature, 2004, 429, 896-899.	27.8	76
11	Enhancement of Sleeping Beauty Transposition by CpG Methylation: Possible Role of Heterochromatin Formation. Molecular and Cellular Biology, 2004, 24, 4004-4018.	2.3	74
12	Essential Role of Neuron-Enriched Diacylglycerol Kinase (DGK), DGKÎ² in Neurite Spine Formation, Contributing to Cognitive Function. PLoS ONE, 2010, 5, e11602.	2.5	73
13	Interhomolog recombination and loss of heterozygosity in wild-type and Bloom syndrome helicase (BLM)-deficient mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11971-11976.	7.1	72
14	Suppression of tumor growth and cell proliferation by p13II, a mitochondrial protein of human T cell leukemia virus type 1. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6629-6634.	7.1	70
15	Diacylglycerol Kinase Î² Knockout Mice Exhibit Lithium-Sensitive Behavioral Abnormalities. PLoS ONE, 2010, 5, e13447.	2.5	68
16	A transposon-based chromosomal engineering method to survey a large cis-regulatory landscape in mice. Nature Genetics, 2009, 41, 946-952.	21.4	58
17	Barrier Abnormality Due to Ceramide Deficiency Leads to Psoriasiform Inflammation in a Mouse Model. Journal of Investigative Dermatology, 2013, 133, 2555-2565.	0.7	56
18	Alteration of the 4-sphingenine scaffolds of ceramides in keratinocyte-specific Arnt-deficient mice affects skin barrier function. Journal of Clinical Investigation, 2003, 112, 1372-1382.	8.2	53

#	Article	IF	Citations
19	Sleeping Beauty Transposon-Based Phenotypic Analysis of Mice: Lack of Arpc3 Results in Defective Trophoblast Outgrowth. Molecular and Cellular Biology, 2006, 26, 6185-6196.	2.3	49
20	Sleeping Beauty Transposase Has an Affinity for Heterochromatin Conformation. Molecular and Cellular Biology, 2007, 27, 1665-1676.	2.3	46
21	Chromatin states shape insertion profiles of the piggyBac, Tol2 and Sleeping Beauty transposons and murine leukemia virus. Scientific Reports, 2017, 7, 43613.	3.3	46
22	Rheb (Ras Homologue Enriched in Brain)-dependent Mammalian Target of Rapamycin Complex 1 (mTORC1) Activation Becomes Indispensable for Cardiac Hypertrophic Growth after Early Postnatal Period. Journal of Biological Chemistry, 2013, 288, 10176-10187.	3.4	44
23	A homozygous mutant embryonic stem cell bank applicable for phenotype-driven genetic screening. Nature Methods, 2011, 8, 1071-1077.	19.0	36
24	Germline mutagenesis mediated by Sleeping Beauty transposon system in mice. Genome Biology, 2007, 8, S14.	9.6	28
25	Ahnak/Desmoyokin Is Dispensable for Proliferation, Differentiation, and Maintenance of Integrity in Mouse Epidermis. Journal of Investigative Dermatology, 2004, 123, 700-707.	0.7	27
26	TDAG8 activation inhibits osteoclastic bone resorption. FASEB Journal, 2014, 28, 871-879.	0.5	27
27	Retrotransposons Influence the Mouse Transcriptome: Implication for the Divergence of Genetic Traits. Genetics, 2007, 176, 815-827.	2.9	26
28	Preferential involvement of Na+/Ca2+ exchanger type-1 in the brain damage caused by transient focal cerebral ischemia in mice. Biochemical and Biophysical Research Communications, 2012, 429, 186-190.	2.1	24
29	Reduced expression of Na+/Ca2+ exchangers is associated with cognitive deficits seen in Alzheimer's disease model mice. Neuropharmacology, 2018, 131, 291-303.	4.1	23
30	A Survey of Genes Expressed in Undifferentiated Mouse Embryonal Carcinoma F9 Cells: Characterization of Low-Abundance mRNAs1. Journal of Biochemistry, 1994, 116, 128-139.	1.7	21
31	Efficient biallelic mutagenesis withCre/loxPâ€mediated interâ€chromosomal recombination. EMBO Reports, 2002, 3, 433-437.	4.5	21
32	Generating mutant rats using the Sleeping Beauty transposon system. Methods, 2009, 49, 236-242.	3.8	17
33	Large-scale, saturating insertional mutagenesis of the mouse genome. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14406-14411.	7.1	16
34	Simulation and estimation of gene number in a biological pathway using almost complete saturation mutagenesis screening of haploid mouse cells. BMC Genomics, 2014, 15, 1016.	2.8	16
35	Structures of Replacement Vectors for Efficient Gene Targeting1. Journal of Biochemistry, 1994, 115, 477-485.	1.7	15
36	Rev-Independent Simian Immunodeficiency Virus Strains Are Nonpathogenic in Neonatal Macaques. Journal of Virology, 2002, 76, 96-104.	3.4	15

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37	Removal of Reprogramming Transgenes Improves the Tissue Reconstitution Potential of Keratinocytes Generated From Human Induced Pluripotent Stem Cells. Stem Cells Translational Medicine, 2014, 3, 992-1001.	3.3	14
38	An In Vitro ES Cell-Based Clock Recapitulation Assay Model Identifies CK2Î± as an Endogenous Clock Regulator. PLoS ONE, 2013, 8, e67241.	2.5	14
39	Enhancement of microhomology-mediated genomic rearrangements by transient loss of mouse Bloom syndrome helicase. Genome Research, 2013, 23, 1462-1473.	5.5	13
40	Reduced CaM Kinase II and CaM Kinase IV Activities Underlie Cognitive Deficits in NCKX2 Heterozygous Mice. Molecular Neurobiology, 2017, 55, 3889-3900.	4.0	13
41	Translation from nonautonomous type IAP retrotransposon is a critical determinant of transposition activity: Implication for retrotransposon-mediated genome evolution. Genome Research, 2008, 18, 859-868.	5.5	10
42	A replacement vector used to introduce subtle mutations into mouse genes. Gene, 1995, 166, 197-204.	2.2	7
43	Bloom's syndrome gene-deficient phenotype in mouse primary cells induced by a modified tetracycline-controlled trans-silencer. Gene, 2006, 369, 80-89.	2.2	7
44	Functional Genomics in the Mouse using the Sleeping Beauty Transposon System. Methods in Enzymology, 2010, 477, 71-89.	1.0	2
45	An Inducible and Reversible Mouse Genetic Rescue System. , 2011, , 253-275.		2
46	Collection of homozygous mutant mouse embryonic stem cells arising from autodiploidization during haploid gene trap mutagenesis. Nucleic Acids Research, 2018, 46, e63-e63.	14.5	1
47	Sequenceâ€specific DNA binding activity in the RAE28 protein, a mouse homologue of the Drosophila polyhomeotic protein. IUBMB Life, 1998, 46, 905-912.	3.4	0
48	Selection of Targeted Mutants from a Library of Randomly Mutagenized ES Cells. Methods in Molecular Biology, 2011, 693, 283-294.	0.9	0