Akihiro Ikeda

List of Publications by Year
in descending order

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38 papers	1,417 citations	430874 18 h-index	377865 34 g-index
39 all docs	39 docs citations	39 times ranked	2110 citing authors

#	Article	IF	Citations
1	Mutations in ALMS1 cause obesity, type 2 diabetes and neurosensory degeneration in AlstrÃ¶m syndrome. Nature Genetics, 2002, 31, 74-78.	21.4	358
2	Thenob2mouse, a null mutation inCacna1f: Anatomical and functional abnormalities in the outer retina and their consequences on ganglion cell visual responses. Visual Neuroscience, 2006, 23, 11-24.	1.0	194
3	Microtubule-associated protein 1A is a modifier of tubby hearing (moth1). Nature Genetics, 2002, 30, 401-405.	21.4	92
4	Length regulation of mechanosensitive stereocilia depends on very slow actin dynamics and filament-severing proteins. Nature Communications, 2015, 6, 6855.	12.8	80
5	Molecular Characterization of a Novel Tubby Gene Family Member,TULP3,in Mouse and Humans. Genomics, 1998, 54, 215-220.	2.9	52
6	Spontaneous Corneal Hem- and Lymphangiogenesis in Mice with Destrin-Mutation Depend on VEGFR3 Signaling. American Journal of Pathology, 2005, 166, 1367-1377.	3.8	51
7	Carbonic anhydrase related protein 8 mutation results in aberrant synaptic morphology and excitatory synaptic function in the cerebellum. Molecular and Cellular Neurosciences, 2007, 35, 161-170.	2.2	49
8	Genetic modifiers of vision and hearing. Human Molecular Genetics, 2002, 11, 1195-1206.	2.9	48
9	Mutation in Archain 1, a Subunit of COPI Coatomer Complex, Causes Diluted Coat Color and Purkinje Cell Degeneration. PLoS Genetics, 2010, 6, e1000956.	3.5	39
10	Mouse Tmem135 mutation reveals a mechanism involving mitochondrial dynamics that leads to age-dependent retinal pathologies. ELife, 2016, 5, .	6.0	38
11	A pronounced evolutionary shift of the pseudoautosomal region boundary in house mice. Mammalian Genome, 2012, 23, 454-466.	2.2	37
12	Effect of destrin mutations on the gene expression profile in vivo. Physiological Genomics, 2008, 34, 9-21.	2.3	32
13	Metabolomics Identifies Metabolic Markers of Maturation in Human Pluripotent Stem Cell-Derived Cardiomyocytes. Theranostics, 2017, 7, 2078-2091.	10.0	31
14	Mapping of genetic modifiers of Nr2e3 rd7/rd7 that suppress retinal degeneration and restore blue cone cells to normal quantity. Mammalian Genome, 2008, 19, 145-154.	2.2	30
15	Genetic Modification of Retinal Degeneration in Tubby Mice. Experimental Eye Research, 2002, 74, 455-461.	2.6	28
16	Serum response factor is essential for the proper development of skin epithelium. Mammalian Genome, 2010, 21, 64-76.	2.2	23
17	The Influence of Mitochondrial Dynamics and Function on Retinal Ganglion Cell Susceptibility in Optic Nerve Disease. Cells, 2021, 10, 1593.	4.1	23
18	Reduced synaptic vesicle density and aberrant synaptic localization caused by a splice site mutation in the Rs1h gene. Visual Neuroscience, 2006, 23, 887-898.	1.0	20

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19	An Allele of Microtubule-Associated Protein 1A (Mtap1a) Reduces Photoreceptor Degeneration inTulp1andTubMutant Mice. , 2012, 53, 1663.		19
20	A Mutation inSyne2Causes Early Retinal Defects in Photoreceptors, Secondary Neurons, and MÃ¼ller Glia. , 2015, 56, 3776.		19
21	Loss of Chondroitin Sulfate Modification Causes Inflammation and Neurodegeneration in skt Mice. Genetics, 2020, 214, 121-134.	2.9	18
22	The effect of Tmem135 overexpression on the mouse heart. PLoS ONE, 2018, 13, e0201986.	2.5	16
23	A Pathogenic Relationship Between a Regulator of the Actin Cytoskeleton and Serum Response Factor. Genetics, 2010, 186, 147-157.	2.9	15
24	Defects in Actin Dynamics Lead to an Autoinflammatory Condition through the Upregulation of CXCL5. PLoS ONE, 2008, 3, e2701.	2.5	13
25	Tyrosinase Is the Modifier of Retinoschisis in Mice. Genetics, 2010, 186, 1337-1344.	2.9	12
26	Syndactyly in a novel Fras1^{rdf} mutant results from interruption of signals for interdigital apoptosis. Developmental Dynamics, 2016, 245, 497-507.	1.8	11
27	Long-term evaluation of retinal morphology and function in a mouse model of oxygen-induced retinopathy. Molecular Vision, 2020, 26, 257-276.	1.1	10
28	Genetic basis of age-dependent synaptic abnormalities in the retina. Mammalian Genome, 2015, 26, 21-32.	2.2	9
29	Differences in corneal phenotypes between destrin mutants are due to allelic difference and modified by genetic background. Molecular Vision, 2012, 18, 606-16.	1.1	8
30	The Significance of the Discordant Occurrence of Lens Tumors in Humans versus Other Species. Ophthalmology, 2015, 122, 1765-1770.	5.2	7
31	Modulation of Tmem135 Leads to Retinal Pigmented Epithelium Pathologies in Mice. , 2020, 61, 16.		7
32	Metabolic alterations caused by the mutation and overexpression of the Tmem135 gene. Experimental Biology and Medicine, 2020, 245, 1571-1583.	2.4	7
33	A mutation in transmembrane protein 135 impairs lipid metabolism in mouse eyecups. Scientific Reports, 2022, 12, 756.	3.3	7
34	Serum response factor: positive and negative regulation of an epithelial gene expression network in the destrin mutant cornea. Physiological Genomics, 2014, 46, 277-289.	2.3	4
35	Genetic modification of corneal neovascularization in Dstn corn1 mice. Mammalian Genome, 2013, 24, 349-357.	2.2	3
36	Towards Understanding the Function of the Tubby Gene Family in the Retina. Advances in Experimental Medicine and Biology, 2003, 533, 309-314.	1.6	3

#	Article	IF	Citations
37	Aging of the sensory systems: hearing and vision disorders. , 2021, , 297-321.		2
38	Retinopathy of prematurity shows alterations in Vegfa164 isoform expression. Pediatric Research, 2021, , .	2.3	2