Asako Otomo

List of Publications by Year
in descending order

49 papers	2,125 citations	394421 19 h-index	302126 39 g-index
53 all docs	53 docs citations	53 times ranked	4648 citing authors

#	Article	IF	Citations
1	High-throughput quantitative analysis of axonal transport in cultured neurons from SOD1H46R ALS mice by using a microfluidic device. Neuroscience Research, 2022, 174, 46-52.	1.9	3
2	SQSTM1, a protective factor of SOD1-linked motor neuron disease, regulates the accumulation and distribution of ubiquitinated protein aggregates in neuron. Neurochemistry International, 2022, 158, 105364.	3.8	0
3	SQSTM1L341V variant that is linked to sporadic ALS exhibits impaired association with MAP1LC3 in cultured cells. ENeurologicalSci, 2021, 22, 100301.	1.3	6
4	The N-terminal intrinsically disordered region mediates intracellular localization and self-oligomerization of ALS2. Biochemical and Biophysical Research Communications, 2021, 569, 106-111.	2.1	6
5	Alopecia areata susceptibility variant in MHC region impacts expressions of genes contributing to hair keratinization and is involved in hair loss. EBioMedicine, 2020, 57, 102810.	6.1	19
6	Efficient differentiation and polarization of primary cultured neurons on poly(lactic acid) scaffolds with microgrooved structures. Scientific Reports, 2020, 10, 6716.	3.3	8
7	Monitoring the autophagy-endolysosomal system using monomeric Keima-fused MAP1LC3B. PLoS ONE, 2020, 15, e0234180.	2.5	2
8	Human PZP and common marmoset A2ML1 as pregnancy related proteins. Scientific Reports, 2020, 10, 5088.	3.3	8
9	ALS2, the small GTPase Rab17-interacting protein, regulates maturation and sorting of Rab17-associated endosomes. Biochemical and Biophysical Research Communications, 2020, 523, 908-915.	2.1	7
10	PACT/PRKRA and p53 regulate transcriptional activity of DMRT1. Genetics and Molecular Biology, 2020, 43, e20190017.	1.3	5
11	Altered oligomeric states in pathogenic ALS2 variants associated with juvenile motor neuron diseases cause loss of ALS2â€mediated endosomal function. FASEB Journal, 2020, 34, 1-1.	0.5	0
12	Monitoring the autophagy-endolysosomal system using monomeric Keima-fused MAP1LC3B. , 2020, 15, e0234180.		0
13	Monitoring the autophagy-endolysosomal system using monomeric Keima-fused MAP1LC3B. , 2020, 15, e0234180.		0
14	Monitoring the autophagy-endolysosomal system using monomeric Keima-fused MAP1LC3B. , 2020, 15, e0234180.		0
15	Monitoring the autophagy-endolysosomal system using monomeric Keima-fused MAP1LC3B. , 2020, 15, e0234180.		0
16	Monitoring the autophagy-endolysosomal system using monomeric Keima-fused MAP1LC3B. , 2020, 15, e0234180.		0
17	Monitoring the autophagy-endolysosomal system using monomeric Keima-fused MAP1LC3B. , 2020, 15, e0234180.		0
18	Monitoring the autophagy-endolysosomal system using monomeric Keima-fused MAP1LC3B. , 2020, 15, e0234180.		0

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19	Monitoring the autophagy-endolysosomal system using monomeric Keima-fused MAP1LC3B. , 2020, 15, e0234180.		0
20	An open-type microdevice to improve the quality of fluorescence labeling for axonal transport analysis in neurons. Biomicrofluidics, 2019, 13, 034104.	2.4	1
21	Altered oligomeric states in pathogenic ALS2 variants associated with juvenile motor neuron diseases cause loss of ALS2-mediated endosomal function. Journal of Biological Chemistry, 2018, 293, 17135-17153.	3.4	26
22	Systemic overexpression of SQSTM1/p62 accelerates disease onset in a SOD1H46R-expressing ALS mouse model. Molecular Brain, 2018, 11, 30.	2.6	31
23	Modeling sporadic ALS in iPSC-derived motor neurons identifies a potential therapeutic agent. Nature Medicine, 2018, 24, 1579-1589.	30.7	268
24	Rostrocaudal Areal Patterning of Human PSC-Derived Cortical Neurons by FGF8 Signaling. ENeuro, 2018, 5, ENEURO.0368-17.2018.	1.9	11
25	Sexually dimorphic expression of Dmrt1 and Î³H2<scp>AX</scp> in germ stem cells during gonadal development in Xenopus laevis. FEBS Open Bio, 2016, 6, 276-284.	2.3	10
26	Functional links between SQSTM1 and ALS2 in the pathogenesis of ALS: cumulative impact on the protection against mutant SOD1-mediated motor dysfunction in mice. Human Molecular Genetics, 2016, 25, 3321-3340.	2.9	43
27	GRP78 Suppresses Lipid Peroxidation and Promotes Cellular Antioxidant Levels in Glial Cells following Hydrogen Peroxide Exposure. PLoS ONE, 2014, 9, e86951.	2.5	21
28	Dysregulation of the Autophagy-Endolysosomal System in Amyotrophic Lateral Sclerosis and Related Motor Neuron Diseases. Neurology Research International, 2012, 2012, 1-12.	1.3	54
29	Different Human Copper-Zinc Superoxide Dismutase Mutants, SOD1G93A and SOD1H46R, Exert Distinct Harmful Effects on Gross Phenotype in Mice. PLoS ONE, 2012, 7, e33409.	2.5	23
30	Loss of glial fibrillary acidic protein marginally accelerates disease progression in a SOD1 transgenic mouse model of ALS. Neuroscience Research, 2011, 70, 321-329.	1.9	20
31	Defective relocalization of ALS2/alsin missense mutants to Rac1-induced macropinosomes accounts for loss of their cellular function and leads to disturbed amphisome formation. FEBS Letters, 2011, 585, 730-736.	2.8	45
32	Loss of ALS2/Alsin Exacerbates Motor Dysfunction in a SOD1H46R-Expressing Mouse ALS Model by Disturbing Endolysosomal Trafficking. PLoS ONE, 2010, 5, e9805.	2.5	100
33	LOWER SERUM LIPID LEVELS ARE RELATED TO RESPIRATORY IMPAIRMENT IN PATIENTS WITH ALS. Neurology, 2010, 74, 2027-2028.	1.1	5
34	Genetic background and gender effects on gross phenotypes in congenic lines of ALS2/alsin-deficient mice. Neuroscience Research, 2010, 68, 131-136.	1.9	14
35	Effects of Busulfan Sustained-release Emulsion on Depletion and Repopulation of Primordial Germ Cells in Early Chicken Embryos. Journal of Poultry Science, 2009, 46, 127-135.	1.6	18
36	NATURAL HISTORY OF YOUNG-ADULT AMYOTROPHIC LATERAL SCLEROSIS. Neurology, 2009, 73, 648-650.	1.1	0

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37	A dopamine receptor antagonist L-745,870 suppresses microglia activation in spinal cord and mitigates the progression in ALS model mice. Experimental Neurology, 2008, 211, 378-386.	4.1	36
38	ALS2/alsin deficiency in neurons leads to mild defects in macropinocytosis and axonal growth. Biochemical and Biophysical Research Communications, 2008, 370, 87-92.	2.1	37
39	The Rab5 Activator ALS2/alsin Acts as a Novel Rac1 Effector through Rac1-activated Endocytosis. Journal of Biological Chemistry, 2007, 282, 16599-16611.	3.4	79
40	ALS2CL, a novel ALS2-interactor, modulates ALS2-mediated endosome dynamics. Biochemical and Biophysical Research Communications, 2007, 354, 491-497.	2.1	24
41	Molecular and cellular function of ALS2/alsin: Implication of membrane dynamics in neuronal development and degeneration. Neurochemistry International, 2007, 51, 74-84.	3.8	76
42	Mice deficient in the Rab5 guanine nucleotide exchange factor ALS2/alsin exhibit age-dependent neurological deficits and altered endosome trafficking. Human Molecular Genetics, 2006, 15, 233-250.	2.9	121
43	Homo-oligomerization of ALS2 through Its Unique Carboxyl-terminal Regions Is Essential for the ALS2-associated Rab5 Guanine Nucleotide Exchange Activity and Its Regulatory Function on Endosome Trafficking. Journal of Biological Chemistry, 2004, 279, 38626-38635.	3.4	56
44	ALS2CL, the novel protein highly homologous to the carboxyâ€terminal half of ALS2, binds to Rab5 and modulates endosome dynamics. FEBS Letters, 2004, 575, 64-70.	2.8	35
45	ALS2, a novel guanine nucleotide exchange factor for the small GTPase Rab5, is implicated in endosomal dynamics. Human Molecular Genetics, 2003, 12, 1671-1687.	2.9	220
46	Identification and Characterization of Novel Members of the CREG Family, Putative Secreted Glycoproteins Expressed Specifically in Brain. Genomics, 2002, 80, 456-460.	2.9	18
47	Identification and Characterization of Novel Members of the CREG Family, Putative Secreted Glycoproteins Expressed Specifically in Brain. Genomics, 2002, 80, 456-460.	2.9	3
48	A gene encoding a putative GTPase regulator is mutated in familial amyotrophic lateral sclerosis 2. Nature Genetics, 2001, 29, 166-173.	21.4	635
49	cDNA cloning of a new member of the FTZ-F1 subfamily from a rainbow trout. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1998, 1395, 271-274.	2.4	29