Akira Sano

List of Publications by Year
in descending order

84 papers	3,279 citations	159585 30 h-index	155660 55 g-index
86 all docs	86 docs citations	86 times ranked	3689 citing authors

#	Article	IF	Citations
1	The gene encoding a newly discovered protein, chorein, is mutated in chorea-acanthocytosis. Nature Genetics, 2001, 28, 121-122.	21.4	301
2	ExpansionsÂofÂintronic TTTCA and TTTTA repeats in benign adult familial myoclonic epilepsy. Nature Genetics, 2018, 50, 581-590.	21.4	238
3	Association between serotonin transporter gene polymorphism and anxiety-related traits. Biological Psychiatry, 1999, 45, 368-370.	1.3	189
4	Neurologic phenotypes associated with acanthocytosis. Neurology, 2007, 68, 92-98.	1.1	155
5	Localization of a Gene for Benign Adult Familial Myoclonic Epilepsy to Chromosome 8q23.3-q24.1. American Journal of Human Genetics, 1999, 65, 745-751.	6.2	145
6	A 40-nucleotide repeat polymorphism in the human dopamine transporter gene. Human Genetics, 1993, 91, 405-6.	3.8	127
7	Positional Candidate Approach for the Gene Responsible for Benign Adult Familial Myoclonicâ€ƒEpilepsy. Epilepsia, 2002, 43, 26-31.	5.1	126
8	Secretion of sphingolipid hydrolase activator precursor, prosaposin. Biochemical and Biophysical Research Communications, 1991, 176, 668-674.	2.1	112
9	Prosaposin Facilitates Sciatic Nerve Regeneration In Vivo. Journal of Neurochemistry, 1996, 66, 2019-2025.	3.9	92
10	A Hydrophilic Peptide Comprising 18 Amino Acid Residues of the Prosaposin Sequence Has Neurotrophic Activity In Vitro and In Vivo. Journal of Neurochemistry, 1996, 66, 2197-2200.	3.9	89
11	Gene expression and association analysis of vascular endothelial growth factor in major depressive disorder. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2007, 31, 658-663.	4.8	88
12	Sphingolipid hydrolase activator proteins and their precursors. Biochemical and Biophysical Research Communications, 1989, 165, 1191-1197.	2.1	78
13	Somatic mosaicism of CAG repeat in dentatorubral-pallidoluysian atrophy (DRPLA). Human Molecular Genetics, 1995, 4, 663-666.	2.9	77
14	Isolation and characterization of prosaposin from human milk. Biochemical and Biophysical Research Communications, 1991, 181, 286-292.	2.1	74
15	Association of AKT1 haplotype with the risk of schizophrenia in Iranian population. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2006, 141B, 383-386.	1.7	74
16	The Val66Met polymorphism of the brainâ€derived neurotrophic factor gene is associated with psychotic feature and suicidal behavior in Japanese major depressive patients. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2007, 144B, 1003-1006.	1.7	72
17	Distribution of Free Methylarginines in Rat Tissues and in the Bovine Brain. Journal of Neurochemistry, 1992, 59, 2012-2016.	3.9	63
18	In vivo distribution and localization of chorein. Biochemical and Biophysical Research Communications, 2007, 353, 431-435.	2.1	59

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19	Novel pathogenic mutations and copy number variations in the VPS13A Gene in patients with choreaâ€acanthocytosis. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2011, 156, 620-631.	1.7	57
20	A gene-targeted mouse model for chorea-acanthocytosis. Journal of Neurochemistry, 2005, 92, 759-766.	3.9	55
21	Prosaposin, a Neurotrophic Factor: Presence and Properties in Milk. Journal of Dairy Science, 1997, 80, 264-272.	3.4	51
22	Distribution of prosaposin-like immunoreactivity in rat brain. Journal of Comparative Neurology, 1993, 334, 590-602.	1.6	50
23	Positive association of the PDE4B (phosphodiesterase 4B) gene with schizophrenia in the Japanese population. Journal of Psychiatric Research, 2008, 43, 7-12.	3.1	49
24	Clinical and molecular genetic assessment of a chorea-acanthocytosis pedigree. Journal of the Neurological Sciences, 2007, 263, 124-132.	0.6	45
25	Exome sequencing identifies a novel missense variant in RRM2B associated with autosomal recessive progressive external ophthalmoplegia. Genome Biology, 2011, 12, R92.	9.6	42
26	Gene expression and association analysis of LIM (PDLIM5) in major depression. Neuroscience Letters, 2006, 400, 203-207.	2.1	41
27	The silencer activity of the novel human serotonin transporter linked polymorphic regions. Neuroscience Letters, 2002, 327, 13-16.	2.1	37
28	Chorein, the protein responsible for chorea-acanthocytosis, interacts with Î²-adducin and Î²-actin. Biochemical and Biophysical Research Communications, 2013, 441, 96-101.	2.1	36
29	Mitochondrial DNA deletion mutations in patients with neuropsychiatric symptoms. Neuroscience Research, 2011, 69, 331-336.	1.9	33
30	Remapping and mutation analysis of benign adult familial myoclonic epilepsy in a Japanese pedigree. Journal of Human Genetics, 2011, 56, 742-747.	2.3	32
31	Isolation and Identification of Methylarginines from Bovine Brain. Journal of Neurochemistry, 1992, 58, 1127-1130.	3.9	30
32	Gene expression and association analyses of the phosphodiesterase 4B (PDE4B) gene in major depressive disorder in the Japanese population. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2009, 150B, 527-534.	1.7	27
33	Anticipation in hereditary dentatorubral-pallidoluysian atrophy. Human Genetics, 1994, 93, 699-702.	3.8	25
34	Self-mutilation in choreaâ€“acanthocytosis: Manifestation of movement disorder or psychopathology?. Movement Disorders, 2006, 21, 2268-2269.	3.9	25
35	Saposin-C from bovine spleen; complete amino acid sequence and relation between the structure and its biological activity. BBA - Proteins and Proteomics, 1992, 1120, 75-80.	2.1	23
36	Differences in two mice strains on kainic acid-induced amygdalar seizures. Biochemical and Biophysical Research Communications, 2007, 357, 1078-1083.	2.1	23

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37	Familial Semantic Dementia with P301L Mutation in the Tau Gene. Dementia and Geriatric Cognitive Disorders, 2011, 31, 334-340.	1.5	23
38	Expression patterns in alternative splicing forms of prosaposin mRNA in the rat facial nerve nucleus after facial nerve transection. Neuroscience Research, 2008, 60, 82-94.	1.9	22
39	Novel pathogenic XK mutations in McLeod syndrome and interaction between XK protein and chorein. Neurology: Genetics, 2019, 5, e328.	1.9	22
40	Changes in expression of prosaposin in the rat facial nerve nucleus after facial nerve transection. Neuroscience Research, 2005, 52, 220-227.	1.9	21
41	The carbohydrate moiety of the activator protein for glucosylceramide Î²-glucosidase. Biochemical and Biophysical Research Communications, 1988, 154, 1197-1203.	2.1	19
42	Distribution of prosaposin in the rat nervous system. Cell and Tissue Research, 2007, 330, 197-207.	2.9	19
43	Subcellular localization and putative role of VPS13A/chorein in dopaminergic neuronal cells. Biochemical and Biophysical Research Communications, 2012, 419, 511-516.	2.1	19
44	A rapid and sensitive method for the determination of hypusine in proteins and its distribution and developmental changes. Biochimica Et Biophysica Acta - General Subjects, 1984, 800, 135-139.	2.4	18
45	Chorein deficiency leads to upregulation of gephyrin and GABAA receptor. Biochemical and Biophysical Research Communications, 2006, 351, 438-442.	2.1	18
46	Seizures as presenting and prominent symptom in choreaâ€acanthocytosis with c.2343del <scp>VPS</scp>13A gene mutation. Epilepsia, 2016, 57, 549-556.	5.1	16
47	A new phenotype of chorea-acanthocytosis with dilated cardiomyopathy and myopathy. Movement Disorders, 2007, 22, 1669-1670.	3.9	14
48	Phenotypic abnormalities in a chorea-acanthocytosis mouse model are modulated by strain background. Biochemical and Biophysical Research Communications, 2016, 472, 118-124.	2.1	14
49	Brain-specific transcript variants of 5â€² and 3â€² ends of mouse VPS13A and VPS13C. Biochemical and Biophysical Research Communications, 2007, 353, 902-907.	2.1	13
50	Mouse model of chorea-acanthocytosis exhibits male infertility caused by impaired sperm motility as a result of ultrastructural morphological abnormalities in the mitochondrial sheath in the sperm midpiece. Biochemical and Biophysical Research Communications, 2018, 503, 915-920.	2.1	13
51	Delayed Vertical Rectus Abdominis Myocutaneous Flap for Anterior Chest Wall Reconstruction. Aesthetic Plastic Surgery, 2006, 30, 120-124.	0.9	12
52	Novel pathogenic VPS13A gene mutations in Japanese patients with chorea-acanthocytosis. Neurology: Genetics, 2019, 5, e332.	1.9	12
53	A PRIMPOL mutation and variants in multiple genes may contribute to phenotypes in a familial case with chronic progressive external ophthalmoplegia symptoms. Neuroscience Research, 2020, 157, 58-63.	1.9	11
54	DNA analysis of benign adult familial myoclonic epilepsy reveals associations between the pathogenic TTTCA repeat insertion in SAMD12 and the nonpathogenic TTTTA repeat expansion in TNRC6A. Journal of Human Genetics, 2021, 66, 419-429.	2.3	11

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55	Isolation and Identification of ?-(?-Aminobutyryl)-Hypusine. Journal of Neurochemistry, 1986, 46, 1046-1049.	3.9	10
56	Adultâ€type metachromatic leukodystrophy with compound heterozygous ARSA mutations: A case report and phenotypic comparison with a previously reported case. Psychiatry and Clinical Neurosciences, 2011, 65, 105-108.	1.8	10
57	Comprehensive analysis of the genes responsible for neuroacanthocytosis in mood disorder and schizophrenia. Neuroscience Research, 2011, 69, 196-202.	1.9	9
58	Cytochrome P-450 2D6 gene polymorphism is not associated with neuroleptic malignant syndrome. Biological Psychiatry, 1996, 40, 72-74.	1.3	8
59	Microarray comparative genomic hybridization analysis of 59 patients with schizophrenia. Journal of Human Genetics, 2008, 53, 914-919.	2.3	8
60	Different Clinical Phenotypes in Siblings with a Presenilin-1 P264L Mutation. Dementia and Geriatric Cognitive Disorders, 2012, 33, 132-140.	1.5	8
61	Positional cloning and comprehensive mutation analysis identified a novel KDM2B mutation in a Japanese family with minor malformations, intellectual disability, and schizophrenia. Journal of Human Genetics, 2021, 66, 597-606.	2.3	8
62	Isolation and identification of Î±-(Î²-alanyl)hypusine from bovine brain. Biochimica Et Biophysica Acta - General Subjects, 1991, 1073, 233-235.	2.4	7
63	New type of encephalomyelitis responsive to trimethoprim/sulfamethoxazole treatment in Japan. Neurology: Neuroimmunology and NeuroInflammation, 2015, 2, e143.	6.0	7
64	Chorea-acanthocytosis with upper motor neuron degeneration and 3419_3420 delCA and 3970_3973 delAGTC VPS13A mutations. Acta Neuropathologica, 2010, 119, 271-273.	7.7	6
65	Chronological changes in prosaposin in the developing rat brain. Neuroscience Research, 2011, 71, 22-34.	1.9	6
66	No association between the NDE1 gene and schizophrenia in the Japanese population. Schizophrenia Research, 2008, 99, 367-369.	2.0	5
67	Discriminating chorea-acanthocytosis from Huntington's disease with single-case voxel-based morphometry analysis. Journal of the Neurological Sciences, 2020, 408, 116545.	0.6	5
68	Sleep Disorders in Four Patients With Myotonic Dystrophy Type 1. Frontiers in Neurology, 2020, 11, 12.	2.4	5
69	Inhibitory and Stimulatory Effects of Guanyl-5'-yl Imidodiphosphate on the Adenylate Cyclase Activity of Rat Synaptosomal Fractions1. Journal of Biochemistry, 1980, 87, 267-271.	1.7	4
70	Heteroplasmic m.1624C>T mutation of the mitochondrial tRNAVal gene in a proband and his mother with repeated consciousness disturbances. Mitochondrion, 2012, 12, 617-622.	3.4	4
71	Quetiapine-induced frequent premature ventricular contraction. General Hospital Psychiatry, 2012, 34, 211.e1-211.e3.	2.4	4
72	Chorein interacts with Î±â€tubulin and histone deacetylase 6, and overexpression preserves cell viability during nutrient deprivation in human embryonic kidney 293 cells. FASEB Journal, 2016, 30, 3726-3732.	0.5	4

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73	The effects of olanzapine treatment on brain regional glucose metabolism in neuroleptic-naive first-episode schizophrenic patients. Human Psychopharmacology, 2016, 31, 419-426.	1.5	4
74	Working Memory-Related Prefrontal Hemodynamic Responses in University Students: A Correlation Study of Subjective Well-Being and Lifestyle Habits. Frontiers in Behavioral Neuroscience, 2019, 13, 213.	2.0	4
75	Multiplicity of Phosphate Acceptor Proteins for Muscle Glycogen Phosphorylase Kinase. Journal of Biochemistry, 1980, 88, 1129-1134.	1.7	3
76	Expression of basic fibroblast growth factor-like immunoreactivity in the nuclei of regenerating hepatocytes. Cell and Tissue Research, 1997, 288, 517-527.	2.9	3
77	A patient with McLeod syndrome showing involvement of the central sensorimotor tracts for the legs. BMC Neurology, 2019, 19, 301.	1.8	3
78	Distribution of ?-(?-Aminobutyryl)-Hypusine. Journal of Neurochemistry, 1987, 48, 681-683.	3.9	2
79	Case of McLeod syndrome with a novel genetic mutation. Neurology and Clinical Neuroscience, 2016, 4, 115-117.	0.4	2
80	Further studies on D-3-aminoisobutyrate-pyruvate aminotransferase. Biochimica Et Biophysica Acta - General Subjects, 1990, 1035, 128-131.	2.4	1
81	Chorea-acanthocytosis with a novel mutation in the vacuolar protein sorting 13 homolog a gene: A case report. Journal of the Neurological Sciences, 2020, 412, 116731.	0.6	1
82	Anterior pericaudate white matter is important for the secondary generalization of kainic acid-induced limbic seizures in rats. Clinical Neurophysiology, 2007, 118, e192-e193.	1.5	0
83	Psychiatric Morbidity in Neuroacanthocytosis. , 2008, , 219-223.		0
84	Novel VPS13A Gene Mutations in a South Asian, Indian Patient with Choreaâ€'acanthocytosis. Neurology India, 2020, 68, 206.	0.4	0