

Ichiro Akiguchi

List of Publications by Year in descending order

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91
papers

3,575
citations

136950

32
h-index

138484

58
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all docs

95
docs citations

95
times ranked

3419
citing authors

#	ARTICLE	IF	CITATIONS
1	Age-related deterioration of ability of acquisition in memory and learning in senescence accelerated mouse: SAM-P/8 as an animal model of disturbances in recent memory. <i>Brain Research</i> , 1988, 474, 86-93.	2.2	247
2	Alterations of the Blood-Brain Barrier and Glial Cells in White-Matter Lesions in Cerebrovascular and Alzheimer's Disease Patients. <i>Stroke</i> , 1996, 27, 2069-2074.	2.0	154
3	Adverse Effect of Nighttime Blood Pressure on the Outcome of Lacunar Infarct Patients. <i>Stroke</i> , 1998, 29, 570-576.	2.0	150
4	Blood-Brain Barrier Disruption in White Matter Lesions in a Rat Model of Chronic Cerebral Hypoperfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 97-104.	4.3	136
5	SAMP8 mice as a neuropathological model of accelerated brain aging and dementia: Toshio Takeda's legacy and future directions. <i>Neuropathology</i> , 2017, 37, 293-305.	1.2	127
6	Myelin Degeneration in Multiple System Atrophy Detected by Unique Antibodies. <i>American Journal of Pathology</i> , 1998, 153, 735-744.	3.8	123
7	The spectrum of mutations causing end-plate acetylcholinesterase deficiency. <i>Annals of Neurology</i> , 2000, 47, 162-170.	5.3	123
8	Spontaneous Spongy Degeneration of the Brain Stem in SAM-P/8 Mice, a Newly Developed Memory-Deficient Strain. <i>Journal of Neuropathology and Experimental Neurology</i> , 1989, 48, 577-590.	1.7	121
9	Characteristics of intracranial branch atheromatous disease and its association with progressive motor deficits. <i>Journal of the Neurological Sciences</i> , 2011, 304, 78-82.	0.6	116
10	Alterations in Glia and Axons in the Brains of Binswanger's Disease Patients. <i>Stroke</i> , 1997, 28, 1423-1429.	2.0	108
11	Inbred SAM-P/10 as a Mouse Model of Spontaneous, Inherited Brain Atrophy. <i>Journal of Neuropathology and Experimental Neurology</i> , 1992, 51, 440-450.	1.7	103
12	Regressive changes of astroglia in white matter lesions in cerebrovascular disease and Alzheimer's disease patients. <i>Acta Neuropathologica</i> , 1997, 94, 146-152.	7.7	102
13	A novel murine model of aging, Senescence-Accelerated Mouse (SAM). <i>Archives of Gerontology and Geriatrics</i> , 1994, 19, 185-192.	3.0	101
14	Blood-brain barrier is impaired in the hippocampus of young adult spontaneously hypertensive rats. <i>Acta Neuropathologica</i> , 2004, 107, 532-538.	7.7	90
15	Protective Effect of Cyclosporin A on White Matter Changes in the Rat Brain After Chronic Cerebral Hypoperfusion. <i>Stroke</i> , 1995, 26, 1415-1422.	2.0	88
16	Dose-dependent, protective effect of FK506 against white matter changes in the rat brain after chronic cerebral ischemia. <i>Brain Research</i> , 1998, 792, 105-113.	2.2	84
17	p35 nck5a and cyclin-dependent kinase 5 colocalize in Lewy bodies of brains with Parkinson's disease. <i>Acta Neuropathologica</i> , 1997, 94, 153-157.	7.7	83
18	Glial expression of cytokines in the brains of cerebrovascular disease patients. <i>Acta Neuropathologica</i> , 1996, 92, 281-287.	7.7	79

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19	Loss of large neurons and occurrence of neurofibrillary tangles in the tuberomammillary nucleus of patients with Alzheimer's disease. <i>Neuroscience Letters</i> , 1993, 151, 196-199.	2.1	71
20	Shunt-responsive parkinsonism and reversible white matter lesions in patients with idiopathic NPH. <i>Journal of Neurology</i> , 2008, 255, 1392-1399.	3.6	71
21	Neuropathological studies on strains of senescence-accelerated mice (SAM) with age-related deficits in learning and memory. <i>Experimental Gerontology</i> , 1997, 32, 161-169.	2.8	69
22	Diminished Nocturnal Blood Pressure Decline and Lesion Site in Cerebrovascular Disease. <i>Stroke</i> , 1995, 26, 829-833.	2.0	69
23	Age-related deterioration in conditional avoidance task in the SAM-P/10 mouse, an animal model of spontaneous brain atrophy. <i>Brain Research</i> , 1993, 608, 266-272.	2.2	67
24	Familial frontotemporal dementia and parkinsonism with a novel mutation at an intron 10 splice site in the <i>tau</i> gene. <i>Annals of Neurology</i> , 2001, 50, 117-120.	5.3	59
25	Age-related changes in the brains of senescence-accelerated mice (SAM): Association with glial and endothelial reactions. , 1998, 43, 59-67.		49
26	Glial activation and white matter changes in the rat brain induced by chronic cerebral hypoperfusion: an immunohistochemical study. <i>Acta Neuropathologica</i> , 1994, 87, 484-492.	7.7	43
27	Age-related changes in barrier function in mouse brain I. Accelerated age-related increase of brain transfer of serum albumin in accelerated senescence prone SAM-P/8 mice with deficits in learning and memory. <i>Archives of Gerontology and Geriatrics</i> , 1993, 16, 233-248.	3.0	38
28	Age-related changes in the brain transfer of blood-borne horseradish peroxidase in the hippocampus of senescence-accelerated mouse. <i>Acta Neuropathologica</i> , 1997, 93, 233-240.	7.7	38
29	Vascular Cell Components of the Medullary Arteries in Binswanger's Disease Brains. <i>Stroke</i> , 2000, 31, 1838-1842.	2.0	38
30	Ultrastructural and permeability features of microvessels in the hippocampus, cerebellum and pons of senescence-accelerated mice (SAM). <i>Neurobiology of Aging</i> , 2001, 22, 469-478.	3.1	38
31	The Profile of Hippocampal Metabolites Differs between Alzheimer's Disease and Subcortical Ischemic Vascular Dementia, as Measured by Proton Magnetic Resonance Spectroscopy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 805-815.	4.3	38
32	Effect of aging on NADPH-diaphorase neurons in laterodorsal tegmental nucleus and striatum of mice. <i>Neurobiology of Aging</i> , 1990, 11, 185-192.	3.1	36
33	Absolute Quantification in Proton Magnetic Resonance Spectroscopy Is Superior to Relative Ratio to Discriminate Alzheimer's Disease from Binswanger's Disease. <i>Dementia and Geriatric Cognitive Disorders</i> , 2008, 26, 89-100.	1.5	33
34	Deterioration in learning and memory of fear conditioning in response to context in aged SAMP8 mice 1 Abbreviations: SAM, senescence-accelerated mouse; SAMP, senescence-accelerated mouse prone; SAMR, senescence-accelerated mouse resistant; GABA, gamma-aminobutyric acid; MGRF, magnocellular reticular formation; RSA, hippocampal rhythmic slow activity; CS, conditioned stimulus.. <i>Neurobiology of Aging</i> , 2001, 22, 479-484.	3.1	32
35	Vascular changes in white matter lesions of Alzheimer's disease. <i>Acta Neuropathologica</i> , 1999, 97, 629-634.	7.7	30
36	Two cases of sporadic adult-onset neuronal intranuclear inclusion disease preceded by urinary disturbance for many years. <i>Journal of the Neurological Sciences</i> , 2018, 392, 89-93.	0.6	29

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37	Chronic kidney disease, 24-h blood pressure and small vessel diseases are independently associated with cognitive impairment in lacunar infarct patients. <i>Hypertension Research</i> , 2011, 34, 1276-1282.	2.7	28
38	Acute-onset amnesic syndrome with localized infarct on the dominant side - Comparison between anteromedial thalamic lesion and posterior cerebral artery territory lesion.. <i>Japanese Journal of Medicine</i> , 1987, 26, 15-20.	0.1	26
39	IgM M-protein with antibody activity against gangliosides with disialosyl residue in sensory neuropathy binds to sensory neurons. , 1996, 19, 528-530.		26
40	Ubiquitin-related cytoskeletal abnormality in frontotemporal dementia: immunohistochemical and immunoelectron microscope studies. <i>Acta Neuropathologica</i> , 1997, 94, 67-72.	7.7	25
41	Expression of interleukin-1 receptor antagonist protein in post-mortem human brain tissues of Alzheimer's disease and control cases. <i>Acta Neuropathologica</i> , 1997, 93, 414-420.	7.7	24
42	Spontaneous and artificial lesions of magnocellular reticular formation of brainstem deteriorate avoidance learning in senescence-accelerated mouse SAM. <i>Brain Research</i> , 1998, 791, 90-98.	2.2	23
43	Ultrastructural and permeability features of microvessels in the olfactory bulbs of SAM mice. <i>Acta Neuropathologica</i> , 1998, 96, 261-270.	7.7	23
44	Pontine ataxic hemiparesis studied by a high-resolution magnetic resonance imaging system. <i>Annals of Neurology</i> , 1987, 21, 204-207.	5.3	21
45	Elevated serum levels of endothelial leukocyte adhesion molecules in Guillain-Barré syndrome and chronic inflammatory demyelinating polyneuropathy. <i>Annals of Neurology</i> , 1994, 35, 621-624.	5.3	21
46	Topographical and cytopathological lesion analysis of the white matter in Binswanger's disease brains. <i>Acta Neuropathologica</i> , 2004, 107, 563-570.	7.7	21
47	Peripheral neuropathy in late-onset Krabbe's disease: histochemical and ultrastructural findings. <i>Acta Neuropathologica</i> , 1996, 92, 635-639.	7.7	20
48	Deep White Matter Lesions on MRI, and Not Silent Brain Infarcts Are Related to Headache and Dizziness of Non-specific Cause in Non-Stroke Japanese Subjects.. <i>Internal Medicine</i> , 2000, 39, 727-731.	0.7	20
49	The effect of cyclooxygenase-2 inhibitor on experimental allergic neuritis. <i>NeuroReport</i> , 1998, 9, 2331-2334.	1.2	19
50	Symptomatologic Analysis of Stroke in Stroke-Prone SHR. <i>International Heart Journal</i> , 1977, 18, 547-548.	0.6	19
51	Localization of protein kinase C in human skeletal muscle. <i>Muscle and Nerve</i> , 1992, 15, 496-499.	2.2	18
52	Monoamine oxidase-B-positive granular structures in the hippocampus of aged senescence-accelerated mouse (SAMP8). <i>Acta Neuropathologica</i> , 1995, 90, 626-632.	7.7	18
53	Age-related decrease of nerve growth factor-like immunoreactivity in the basal forebrain of senescence-accelerated mice. <i>Acta Neuropathologica</i> , 1995, 90, 11-16.	7.7	18
54	Disproportionate subarachnoid space hydrocephalus outcome and perivascular space. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 562-569.	3.7	18

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55	Comparative study of ubiquitin immunoreactivity of hippocampal granular cells in amyotrophic lateral sclerosis with dementia, Guamanian amyotrophic lateral sclerosis and Guamanian parkinsonism-dementia complex. <i>Acta Neuropathologica</i> , 1997, 93, 265-270.	7.7	16
56	Immunoelectron microscopic study of c-Fos, c-Jun and heat shock protein after transient cerebral ischemia in gerbils. <i>Acta Neuropathologica</i> , 1999, 97, 22-30.	7.7	16
57	P39 immunoreactivity in glial cytoplasmic inclusions in brains with multiple system atrophy. <i>Acta Neuropathologica</i> , 2001, 101, 190-194.	7.7	16
58	Increased expression of growth-associated protein 43 on the surface of the anterior horn cells in amyotrophic lateral sclerosis. <i>Acta Neuropathologica</i> , 1999, 98, 367-373.	7.7	14
59	Twenty-Four-Hour Blood Pressure Changes in the Course of Lacunar Disease. <i>Cerebrovascular Diseases</i> , 2001, 11, 100-106.	1.7	13
60	Cerebral vasomotor reactivity to postural change is impaired in patients with cerebrovascular white matter lesions. <i>Journal of Neurology</i> , 2003, 250, 412-417.	3.6	13
61	MRI features of Binswanger's disease predict prognosis and associated pathology. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 813-821.	3.7	13
62	Low-titer antibodies reactive with HTLV-I gag P19 in patients with chronic myeloneuropathy. <i>Annals of Neurology</i> , 1989, 26, 515-522.	5.3	12
63	Ultrastructural and permeability features of microvessels in the periventricular area of senescence-accelerated mice (SAM). <i>Microscopy Research and Technique</i> , 2001, 53, 232-238.	2.2	12
64	Recovery Process of Gait Disturbance after Ventriculo-Peritoneal Shunt in Patients with Idiopathic Normal Pressure Hydrocephalus. <i>Journal of Physical Therapy Science</i> , 2007, 19, 183-188.	0.6	8
65	Vascular mechanisms of cognitive impairment: roles of hypertension and subsequent small vessel disease under sympathetic influences. <i>Hypertension Research</i> , 2010, 33, 29-31.	2.7	8
66	The relationship between progressive motor deficits and lesion location in patients with single infarction in the lenticulostriate artery territory. <i>Journal of Neurology</i> , 2017, 264, 1381-1387.	3.6	8
67	Morphometric characterization of Binswanger's disease: Comparison with Alzheimer's disease. <i>European Journal of Radiology</i> , 2012, 81, 2375-2379.	2.6	7
68	Cerebral Stroke and Myocardial Lesions in Stroke-prone SHR. <i>International Heart Journal</i> , 1978, 19, 609-611.	0.6	7
69	Cytopathological alterations and therapeutic approaches in Binswanger's disease. <i>Neuropathology</i> , 1999, 19, 119-128.	1.2	6
70	Encephalitogenic peptide (EP) in human cerebrovascular white matter lesions. <i>NeuroReport</i> , 1997, 8, 3727-3730.	1.2	5
71	Effects of an Antithrombin Drug in Patients with Subacute Exacerbations of Binswanger Disease.. <i>Internal Medicine</i> , 2000, 39, 966-969.	0.7	5
72	High Morning and Bedtime Home Blood Pressures Strongly Predict for Post-Stroke Cognitive Impairment. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2016, 25, 1856-1863.	1.6	5

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73	Analysis of Lethal Course of Stroke-Prone SHR. <i>International Heart Journal</i> , 1977, 18, 549-550.	0.6	3
74	Organ Specificity of Vascular Lesions in SHR. <i>International Heart Journal</i> , 1977, 18, 590-591.	0.6	3
75	Immunohistochemical localization of the proteinase inhibitor region of amyloid precursor proteins in the neocortex of Alzheimer's disease and aged controls. <i>Acta Neuropathologica</i> , 1992, 84, 244-9.	7.7	2
76	Immunohistochemical study of apolipoprotein E in human cerebrovascular white matter lesions. <i>Acta Neuropathologica</i> , 1995, 90, 608-614.	7.7	2
77	Development of Sympathetic Nervous System in Stroke-prone SHR (SHRSP). <i>International Heart Journal</i> , 1979, 20, 727-727.	0.6	2
78	Neuropathological Studies on Strains of Senescence Accelerated Mouse with Age Related Deficits in Learning and Memory. <i>Advances in Behavioral Biology</i> , 1995, , 395-400.	0.2	1
79	The association of disproportionately enlarged subarachnoid space hydrocephalus with cognitive deficit in a general population: the Ohasama study. <i>Scientific Reports</i> , 2021, 11, 17061.	3.3	1
80	Further Studies on the Mechanisms of Stroke in Stroke-Prone SHR. <i>International Heart Journal</i> , 1977, 18, 539-540.	0.6	1
81	Significance of Diffuse δ Pattern in the EEG of Stroke-prone SHR (SHRSP). <i>International Heart Journal</i> , 1979, 20, 735-735.	0.6	1
82	Leukoaraiosis and multiple lacunar infarct from the stand point of 24-hour blood pressure monitoring.. <i>Nosotchu</i> , 1993, 15, 353-359.	0.1	1
83	Age-related decrease of nerve growth factor-like immunoreactivity in the basal forebrain of senescence-accelerated mice. <i>Acta Neuropathologica</i> , 1995, 90, 11-16.	7.7	1
84	Monoamine oxidase-B-positive granular structures in the hippocampus of aged senescence-accelerated mouse (SAMP8). <i>Acta Neuropathologica</i> , 1995, 90, 626-632.	7.7	1
85	Relationship between Arterial Lesions of the Retina and the Brain in Stroke-prone SHR (SHRSP). <i>International Heart Journal</i> , 1978, 19, 612-614.	0.6	0
86	Effect of Surgical Sympathectomy on Acute Arterial Fat Deposition. <i>International Heart Journal</i> , 1979, 20, 692-692.	0.6	0
87	Voxel-based morphometry (VBM) analysis in Alzheimer's disease an insight into heterogeneity of cerebral atrophy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S338-S338.	4.3	0
88	Effect of Acute Arterial Hypertension in Stroke-prone and Stroke-resistant SHR. <i>International Heart Journal</i> , 1978, 19, 606-608.	0.6	0
89	Clinical Application of Stroke-prone SHR. <i>International Heart Journal</i> , 1978, 19, 589-591.	0.6	0
90	Neural Mechanism of Cerebrovascular Atherogenesis in Rats. <i>International Heart Journal</i> , 1978, 19, 572-574.	0.6	0

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91	Typical Course of Stroke in SHRSP. International Heart Journal, 1978, 19, 615-616.	0.6	0