

Akira Tamaoka

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

1,929
citations

279701

23
h-index

302012

39
g-index

115
all docs

115
docs citations

115
times ranked

3327
citing authors

#	ARTICLE	IF	CITATIONS
1	Expansions of intronic TTCA and TTTA repeats in benign adult familial myoclonic epilepsy. <i>Nature Genetics</i> , 2018, 50, 581-590.	9.4	238
2	The Src/c-Abl pathway is a potential therapeutic target in amyotrophic lateral sclerosis. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	182
3	Plasma Levels of amyloid β proteins A β 1-40 and A β 1-42(43) are elevated in Down's syndrome. <i>Annals of Neurology</i> , 1997, 41, 271-273.	2.8	107
4	Neuron-specific methylome analysis reveals epigenetic regulation and tau-related dysfunction of BRCA1 in Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9645-E9654.	3.3	72
5	Nivolumab-induced chronic inflammatory demyelinating polyradiculoneuropathy mimicking rapid-onset Guillain-Barré syndrome: a case report. <i>Japanese Journal of Clinical Oncology</i> , 2016, 46, 875-878.	0.6	70
6	β -Synuclein Fibrils Exhibit Gain of Toxic Function, Promoting Tau Aggregation and Inhibiting Microtubule Assembly. <i>Journal of Biological Chemistry</i> , 2016, 291, 15046-15056.	1.6	67
7	The effect of truncation on prion-like properties of β -synuclein. <i>Journal of Biological Chemistry</i> , 2018, 293, 13910-13920.	1.6	63
8	The neurotoxicity of amyloid β -protein oligomers is reversible in a primary neuron model. <i>Molecular Brain</i> , 2017, 10, 4.	1.3	43
9	TDP-43 M337V Mutation in Familial Amyotrophic Lateral Sclerosis in Japan. <i>Internal Medicine</i> , 2010, 49, 331-334.	0.3	42
10	Plasma levels of amyloid β proteins did not differ between subjects taking statins and those not taking statins. <i>Annals of Neurology</i> , 2001, 49, 546-547.	2.8	39
11	Neuronal β -amyloid generation is independent of lipid raft association of β -secretase BACE1: analysis with a palmitoylation-deficient mutant. <i>Brain and Behavior</i> , 2012, 2, 270-282.	1.0	38
12	Molecular epidemiological study of familial amyotrophic lateral sclerosis in Japanese population by whole-exome sequencing and identification of novel HNRNPA1 mutation. <i>Neurobiology of Aging</i> , 2018, 61, 255.e9-255.e16.	1.5	37
13	Extracellular RNAs as Biomarkers of Sporadic Amyotrophic Lateral Sclerosis and Other Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3148.	1.8	37
14	Cybernetic treatment with wearable cyborg Hybrid Assistive Limb (HAL) improves ambulatory function in patients with slowly progressive rare neuromuscular diseases: a multicentre, randomised, controlled crossover trial for efficacy and safety (NCY-3001). <i>Orphanet Journal of Rare Diseases</i> , 2021, 16, 304.	1.2	37
15	Highly Efficient Ultracentrifugation-free Chromatographic Purification of Recombinant AAV Serotype 9. <i>Molecular Therapy - Methods and Clinical Development</i> , 2018, 11, 180-190.	1.8	35
16	Amyloid β -protein oligomers upregulate the β -secretase, BACE1, through a post-translational mechanism involving its altered subcellular distribution in neurons. <i>Molecular Brain</i> , 2015, 8, 73.	1.3	33
17	Anti-nuclear matrix protein 2 antibody-positive inflammatory myopathies represent extensive myositis without dermatomyositis-specific rash. <i>Rheumatology</i> , 2022, 61, 1222-1227.	0.9	32
18	Chronic treatment with a smart antioxidative nanoparticle for inhibition of amyloid plaque propagation in Tg2576 mouse model of Alzheimer's disease. <i>Scientific Reports</i> , 2017, 7, 3785.	1.6	31

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19	Deposition of amyloid \hat{I}^2 protein ($A\hat{I}^2$) subtypes [$A\hat{I}^{240}$ and $A\hat{I}^{242(43)}$] in canine senile plaques and cerebral amyloid angiopathy. <i>Acta Neuropathologica</i> , 1997, 94, 323-328.	3.9	29
20	Ultracentrifugation-free chromatography-mediated large-scale purification of recombinant adeno-associated virus serotype 1 (rAAV1). <i>Molecular Therapy - Methods and Clinical Development</i> , 2016, 3, 15058.	1.8	29
21	Neurodegenerative changes in patients with clinical history of bipolar disorders. <i>Neuropathology</i> , 2015, 35, 245-253.	0.7	28
22	Vestibular Function Impairment in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 185-196.	1.2	28
23	Transcriptome analysis of gravitational effects on mouse skeletal muscles under microgravity and artificial 1 g onboard environment. <i>Scientific Reports</i> , 2021, 11, 9168.	1.6	26
24	Tyrosol Reduces Amyloid- \hat{I}^2 Oligomer Neurotoxicity and Alleviates Synaptic, Oxidative, and Cognitive Disturbances in Alzheimer's Disease Model Mice. <i>Journal of Alzheimer's Disease</i> , 2019, 70, 937-952.	1.2	25
25	The neuroprotective effect of perampanel in lithium-pilocarpine rat seizure model. <i>Epilepsy Research</i> , 2017, 137, 152-158.	0.8	23
26	Mitochondria are devoid of amyloid \hat{I}^2 -protein ($A\hat{I}^2$)-producing secretases: Evidence for unlikely occurrence within mitochondria of $A\hat{I}^2$ generation from amyloid precursor protein. <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 321-328.	1.0	23
27	Amyloid γ protein species in cerebrospinal fluid and in brain from patients with Down's syndrome. <i>Annals of Neurology</i> , 1999, 46, 933-933.	2.8	22
28	Open-label clinical trial of bezafibrate treatment in patients with fatty acid oxidation disorders in Japan. <i>Molecular Genetics and Metabolism Reports</i> , 2018, 15, 55-63.	0.4	22
29	LRP1 Downregulates the Alzheimer's \hat{I}^2 -Secretase BACE1 by Modulating Its Intraneuronal Trafficking. <i>ENeuro</i> , 2015, 2, ENEURO.0006-15.2015.	0.9	16
30	Liquorice-induced hypokalaemia in patients treated with Yokukansan preparations: identification of the risk factors in a retrospective cohort study. <i>BMJ Open</i> , 2017, 7, e014218.	0.8	16
31	Clinical improvement following interferon- γ alone as an initial treatment in CIDP. <i>Muscle and Nerve</i> , 2000, 23, 295-296.	1.0	15
32	Polymyalgia rheumatica in a melanoma patient due to nivolumab treatment. <i>Journal of Cancer Research and Clinical Oncology</i> , 2017, 143, 1357-1358.	1.2	15
33	Two distinct prions in fatal familial insomnia and its sporadic form. <i>Brain Communications</i> , 2019, 1, fcz045.	1.5	15
34	ADAR2-dependent A-to-I RNA editing in the extracellular linear and circular RNAs. <i>Neuroscience Research</i> , 2019, 147, 48-57.	1.0	15
35	Randomized phase 2 study of perampanel for sporadic amyotrophic lateral sclerosis. <i>Journal of Neurology</i> , 2022, 269, 885-896.	1.8	15
36	GDF-15, a mitochondrial disease biomarker, is associated with the severity of multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2019, 405, 116429.	0.3	14

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37	rAAV8 and rAAV9-Mediated Long-Term Muscle Transduction with Tacrolimus (FK506) in Non-Human Primates. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 18, 44-49.	1.8	14
38	The identified clinical features of Parkinson's disease in homo-, heterozygous and digenic variants of PINK1. <i>Neurobiology of Aging</i> , 2021, 97, 146.e1-146.e13.	1.5	14
39	Transforming growth factor- β 21 in the cerebrospinal fluid of patients with distinct neurodegenerative diseases. <i>Journal of Clinical Neuroscience</i> , 2017, 35, 47-49.	0.8	13
40	Random Skin Biopsies Before Brain Biopsy for Intravascular Large B-Cell Lymphoma. <i>World Neurosurgery</i> , 2019, 121, e364-e369.	0.7	13
41	Long-term accumulation of diphenylarsinic acid in the central nervous system of cynomolgus monkeys. <i>Archives of Toxicology</i> , 2017, 91, 2799-2812.	1.9	12
42	TFEB-mediated Enhancement of the Autophagy-lysosomal Pathway Dually Modulates the Process of Amyloid β -Protein Generation in Neurons. <i>Neuroscience</i> , 2019, 402, 11-22.	1.1	12
43	Amyloid- β oligomers interact with NMDA receptors containing GluN2B subunits and metabotropic glutamate receptor 1 in primary cortical neurons: Relevance to the synapse pathology of Alzheimer's disease. <i>Neuroscience Research</i> , 2022, , .	1.0	12
44	Intravenous immunoglobulin for maintenance treatment of multifocal motor neuropathy: A multicenter, open-label, 52-week phase 3 trial. <i>Journal of the Peripheral Nervous System</i> , 2018, 23, 115-119.	1.4	11
45	Probable progressive multifocal leukoencephalopathy-immune reconstitution inflammatory syndrome with immunosuppressant dose reduction following lung transplantation: a case report and literature review. <i>BMC Neurology</i> , 2019, 19, 263.	0.8	11
46	Amelioration of acylcarnitine profile using bezafibrate and riboflavin in a case of adult-onset glutaric acidemia type 2 with novel mutations of the electron transfer flavoprotein dehydrogenase (ETFDH) gene. <i>Journal of the Neurological Sciences</i> , 2014, 346, 350-352.	0.3	10
47	Detection of diphenylarsinic acid and its derivatives in human serum and cerebrospinal fluid. <i>Clinica Chimica Acta</i> , 2014, 431, 227-231.	0.5	10
48	Improvement of gait ability with a short-term intensive gait rehabilitation program using body weight support treadmill training in community dwelling chronic poststroke survivors. <i>Journal of Physical Therapy Science</i> , 2015, 27, 159-163.	0.2	10
49	A novel frameshift GRN mutation results in frontotemporal lobar degeneration with a distinct clinical phenotype in two siblings: case report and literature review. <i>BMC Neurology</i> , 2017, 17, 182.	0.8	10
50	Hepatic histopathological changes and dysfunction in primates following exposure to organic arsenic diphenylarsinic acid. <i>Journal of Toxicological Sciences</i> , 2018, 43, 291-298.	0.7	10
51	Neuron-specific analysis of histone modifications with post-mortem brains. <i>Scientific Reports</i> , 2020, 10, 3767.	1.6	10
52	Hemolytic Uremic Syndrome-associated Encephalopathy Successfully Treated with Corticosteroids. <i>Internal Medicine</i> , 2017, 56, 2937-2941.	0.3	9
53	Abnormal Saccadic Intrusions with Alzheimer's Disease in Darkness. <i>Current Alzheimer Research</i> , 2019, 16, 293-301.	0.7	9
54	Infectivity Assessment of Recombinant Adeno-Associated Virus and Wild-Type Adeno-Associated Virus Exposed to Various Diluents and Environmental Conditions. <i>Human Gene Therapy Methods</i> , 2019, 30, 137-143.	2.1	8

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55	Deferasirox Might Be Effective for Microcytic Anemia and Neurological Symptoms Associated with Aceruloplasminemia: A Case Report and Review of the Literature. <i>Internal Medicine</i> , 2020, 59, 1755-1761.	0.3	8
56	Clinical features of drug-induced Parkinsonism. <i>Neurology International</i> , 2018, 10, 7877.	1.3	7
57	Open-label clinical trial of bezafibrate treatment in patients with fatty acid oxidation disorders in Japan; 2nd report QOL survey. <i>Molecular Genetics and Metabolism Reports</i> , 2019, 20, 100496.	0.4	7
58	Immunohistochemical characterization of CD33 expression on microglia in Nasu-Hakola disease brains. <i>Neuropathology</i> , 2015, 35, 529-537.	0.7	6
59	Topographical disorientation in a patient with right parahippocampal infarction. <i>Neurological Sciences</i> , 2017, 38, 1329-1332.	0.9	6
60	A cerebral phenotype of chronic lymphocytic inflammation with pontine perivascular enhancement responsive to steroids: A case report and review of the literature. <i>Multiple Sclerosis and Related Disorders</i> , 2018, 20, 159-163.	0.9	6
61	Monocular Oculomotor Nerve Disorder Manifesting as Cranial Neuropathy in Systemic Lupus Erythematosus. <i>Internal Medicine</i> , 2018, 57, 3445-3449.	0.3	6
62	Familial Mediterranean Fever Is Important in the Differential Diagnosis of Recurrent Aseptic Meningitis in Japan. <i>Internal Medicine</i> , 2020, 59, 125-128.	0.3	6
63	Splice-site mutations in KIF5A in the Japanese case series of amyotrophic lateral sclerosis. <i>Neurogenetics</i> , 2021, 22, 11-17.	0.7	6
64	Vestibular Impairment in Frontotemporal Dementia Syndrome. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2016, 6, 194-204.	0.6	5
65	A case of very-long-chain acyl-coenzyme A dehydrogenase deficiency with novel compound heterozygous mutations. <i>Journal of the Neurological Sciences</i> , 2016, 368, 165-167.	0.3	5
66	Efficacy of bezafibrate for preventing myopathic attacks in patients with very long-chain acyl-CoA dehydrogenase deficiency. <i>Brain and Development</i> , 2021, 43, 214-219.	0.6	5
67	Biomolecular Modifications Linked to Oxidative Stress in Amyotrophic Lateral Sclerosis: Determining Promising Biomarkers Related to Oxidative Stress. <i>Processes</i> , 2021, 9, 1667.	1.3	5
68	Sixth nerve palsy associated with obstruction in Dorello's canal, accompanied by nodular type muscular sarcoidosis. <i>Journal of the Neurological Sciences</i> , 2014, 343, 203-205.	0.3	4
69	Adult-onset Krabbe disease presenting as acute hemiparesis and progressive demyelination detected by diffusion-weighted imaging. <i>Journal of the Neurological Sciences</i> , 2016, 367, 326-328.	0.3	4
70	Third nerve palsy due to local inflammation associated with vascular compression: A case series. <i>Journal of the Neurological Sciences</i> , 2016, 367, 365-367.	0.3	4
71	Decreased dopamine transporter and receptor ligand binding in Parkinsonism with diabetic uremic syndrome. <i>Annals of Nuclear Medicine</i> , 2016, 30, 320-324.	1.2	4
72	Polymyositis induced by PD-1 blockade in a patient in hepatitis B remission. <i>Journal of the Neurological Sciences</i> , 2017, 381, 22-24.	0.3	4

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73	High-sensitivity quantitative analysis reveals the non-linear relationship between the dose and deposition of diphenylarsinic acid in the rat central nervous system following its subchronic exposure. <i>Neurotoxicology and Teratology</i> , 2018, 65, 26-33.	1.2	4
74	Miller Fisher syndrome with sinus arrest. <i>Neurology International</i> , 2017, 9, 7312.	1.3	3
75	Upbeat nystagmus is a useful sign in the regional diagnosis of trigeminal nerve disorder with multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2018, 19, 59-61.	0.9	3
76	Vestibular dysfunction as cortical damage with amyotrophic lateral sclerosis. <i>Journal of the Neurological Sciences</i> , 2019, 397, 4-8.	0.3	3
77	Remarkable clinical responses of non-fluctuating Parkinson's disease (PD) after alternating catechol O-methyltransferase inhibitors: case series switching from entacapone 200mg/day to opicapone 25mg/day. <i>Neurological Sciences</i> , 2021, 42, 4813-4814.	0.9	3
78	Reliability of antinuclear matrix protein 2 antibody assays in idiopathic inflammatory myopathies is dependent on target protein properties. <i>Journal of Dermatology</i> , 2022, 49, 441-447.	0.6	3
79	Late-onset Transthyretin (TTR)-familial Amyloid Polyneuropathy (FAP) with a Long Disease Duration from Non-endemic Areas in Japan. <i>Internal Medicine</i> , 2019, 58, 713-718.	0.3	2
80	Familial cerebral cavernous malformation presenting with epilepsy caused by mutation in the CCM2 gene. <i>Medicine (United States)</i> , 2020, 99, e19800.	0.4	2
81	Amyopathic dermatomyositis combined with peripheral neuropathy. <i>BMJ Case Reports</i> , 2020, 13, e237250.	0.2	2
82	Pembrolizumab treatment of metastatic urothelial cancer without exacerbating myasthenia gravis. <i>Neurological Sci</i> , 2020, 19, 100236.	0.5	2
83	Fisher syndrome as an immune-related adverse event after using pembrolizumab but not nivolumab. <i>Acta Neurologica Belgica</i> , 2021, 121, 1381-1382.	0.5	2
84	The Successful Application of Plasmapheresis in the Treatment of a Patient with Opsoclonus and Autoantibodies to Glutamate Receptor 1. <i>Internal Medicine</i> , 2017, 56, 2773-2778.	0.3	2
85	Paraneoplastic limbic encephalitis with late-onset magnetic resonance imaging findings: A case report. <i>Molecular and Clinical Oncology</i> , 2017, 7, 259-262.	0.4	1
86	Steroid pulse therapy of radiological disease activity without clinical relapse in CLIPPERS. <i>Neurological Sciences</i> , 2020, 41, 709-711.	0.9	1
87	Normocalcemic Primary Hyperparathyroidism Presenting with Muscle Weakness and Body Pain. <i>Internal Medicine</i> , 2021, 60, 953-956.	0.3	1
88	Intertwined vascular skin manifestations in a patient with Sjögren syndrome: A case report. <i>Journal of Cutaneous Immunology and Allergy</i> , 2022, 5, 22-23.	0.2	1
89	A case of cluster headache associated with mitochondrial DNA deletions (a reply). <i>Muscle and Nerve</i> , 1998, 21, 128-129.	1.0	0
90	Discussions on role of neprilysin and degrading system. <i>Psychogeriatrics</i> , 2004, 4, S13-S18.	0.6	0

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91	Discussions on laminin as possible biomarkers for neurodegenerative dementia. <i>Psychogeriatrics</i> , 2004, 4, S39-S44.	0.6	0
92	Discussions on phosphorylated tau and other biochemical markers. <i>Psychogeriatrics</i> , 2004, 4, S45-S50.	0.6	0
93	Lateral medullary infarction in a patient with central nervous system lupus. <i>International Journal of Rheumatic Diseases</i> , 2017, 20, 1808-1811.	0.9	0
94	Isolated bilateral abducens paralysis without ptosis in an anti-LDL receptor-related protein 4 antibody-positive patient treated effectively with steroid-pulse therapy. <i>Journal of the Neurological Sciences</i> , 2018, 390, 42-43.	0.3	0
95	Dural Sinus Thrombosis with Nonsymptomatic Persistent Falcine Sinus: A Case Report. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 104309.	0.7	0
96	Meningeal carcinomatosis presenting with leukoencephalopathy-like imaging findings. <i>ENeurologicalSci</i> , 2019, 14, 21-23.	0.5	0
97	Radiological findings in siblings with dysferlin mutation with diverse phenotype. <i>Journal of the Neurological Sciences</i> , 2020, 409, 116579.	0.3	0
98	Clinical Application of the Vestibular Stimulation Effect on Balance Disorders with Dementia. <i>Current Alzheimer Research</i> , 2021, 18, 1-7.	0.7	0
99	Pathogenesis of Alzheimer's Disease with Special Reference to Amyloid β^2 Protein. <i>Nihon Ika Daigaku Igakkai Zasshi</i> , 2012, 8, 285-290.	0.0	0
100	Selection of a Suitable Tracheostomy Tube, with Special Reference to Speaking Valve. <i>Japanese Journal of Neurosurgery</i> , 1998, 7, 656-658.	0.0	0
101	A Case of Cerebral Amyloid Angiopathy-related Inflammation with Multiple Microbleeds: Diagnosis by Brain Biopsy. <i>The Journal of the Japanese Society of Internal Medicine</i> , 2017, 106, 820-827.	0.0	0
102	Enhancement of the autophagy-lysosomal pathway modulates the process of amyloid β^2 -protein generation. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-1-35.	0.0	0
103	Clinical features of hemichorea-hemiballism: A stroke-related movement disorder. <i>Neurology International</i> , 2020, 12, 8328.	1.3	0