Hiroaki Adachi

List of Publications by Year
in descending order

108	11,063	66343 42	31849 101
papers	citations	h-index	g-index

127	127	127	19045
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neuropsychiatric systemic lupus erythematosus detected using extravascular spillage signal on dynamic magnetic resonance imaging (Ktrans). Rheumatology, 2022, 61, SI102-SI104.	1.9	1
2	A vector system for fast-forward studies of the HOPZ-ACTIVATED RESISTANCE1 (ZAR1) resistosome in the model plant Nicotiana benthamiana. Plant Physiology, 2022, 188, 70-80.	4.8	11
3	NLR receptor networks in plants. Essays in Biochemistry, 2022, 66, 541-549.	4.7	10
4	Olfactoryâ€cognitive index distinguishes involvement of frontal lobe shrinkage, as in sarcopenia from shrinkage of medial temporal areas, and global brain, as in <scp>Kihon Checklist</scp> frailty/dependence, in older adults with progression of normal cognition to Alzheimer's disease. Geriatrics and Gerontology International, 2021, 21, 291-298.	1.5	6
5	Eating Disorder Neuroimaging Initiative (EDNI): a multicentre prospective cohort study protocol for elucidating the neural effects of cognitiveâ€“behavioural therapy for eating disorders. BMJ Open, 2021, 11, e042685.	1.9	5
6	A complex resistance locus in Solanum americanum recognizes a conserved Phytophthora effector. Nature Plants, 2021, 7, 198-208.	9.3	62
7	Complete sequencing of expandedSAMD12repeats by long-read sequencing and Cas9-mediated enrichment. Brain, 2021, 144, 1103-1117.	7.6	25
8	Dynamic localization of a helper NLR at the plantâ€“pathogen interface underpins pathogen recognition. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	36
9	Plant pathogens convergently evolved to counteract redundant nodes of an NLR immune receptor network. PLoS Biology, 2021, 19, e3001136.	5.6	69
10	Unclassified subtype of Guillain-BarrÃ© syndrome is associated with quick recovery. Journal of Clinical Neuroscience, 2021, 91, 313-318.	1.5	1
11	RefPlantNLR is a comprehensive collection of experimentally validated plant disease resistance proteins from the NLR family. PLoS Biology, 2021, 19, e3001124.	5.6	81
12	Facial nerve atrophy in patients with amyotrophic lateral sclerosis: Evaluation with fast imaging employing steadyâ€state acquisition (FIESTA). Journal of Magnetic Resonance Imaging, 2020, 51, 757-766.	3.4	2
13	Signal intensity of cerebral gyri in corticobasal syndrome on phase difference enhanced magnetic resonance images: Comparison of progressive supranuclear palsy and Parkinson's disease. Journal of the Neurological Sciences, 2020, 419, 117210.	0.6	2
14	Arginine is a disease modifier for polyQ disease models that stabilizes polyQ protein conformation. Brain, 2020, 143, 1811-1825.	7.6	20
15	NRC4 Gene Cluster Is Not Essential for Bacterial Flagellin-Triggered Immunity. Plant Physiology, 2020, 182, 455-459.	4.8	21
16	Muscle BDNF improves synaptic and contractile muscle strength in Kennedy's disease mice in a muscleâ€type specific manner. Journal of Physiology, 2020, 598, 2719-2739.	2.9	16
17	Potential usefulness of signal intensity of cerebral gyri on quantitative susceptibility mapping for discriminating corticobasal degeneration from progressive supranuclear palsy and Parkinsonâ€™s disease. Neuroradiology, 2019, 61, 1251-1259.	2.2	6
18	Detection of dentate nuclei abnormality in a patient with dentatorubral-pallidoluysian atrophy using the quantitative susceptibility mapping. Journal of the Neurological Sciences, 2019, 403, 97-98.	0.6	2

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19	The facial nerve atrophy with spinal and bulbar muscular atrophy patients (SBMA): Three case reports with 3D fast imaging employing steady-state acquisition (FIESTA). Journal of the Neurological Sciences, 2019, 406, 116461.	0.6	3
20	Src inhibition attenuates polyglutamine-mediated neuromuscular degeneration in spinal and bulbar muscular atrophy. Nature Communications, 2019, 10, 4262.	12.8	13
21	NLR singletons, pairs, and networks: evolution, assembly, and regulation of the intracellular immunoreceptor circuitry of plants. Current Opinion in Plant Biology, 2019, 50, 121-131.	7.1	187
22	Disease Affects Bdnf Expression in Synaptic and Extrasynaptic Regions of Skeletal Muscle of Three SBMA Mouse Models. International Journal of Molecular Sciences, 2019, 20, 1314.	4.1	5
23	A resistosome-activated â€˜death switchâ€™. Nature Plants, 2019, 5, 457-458.	9.3	20
24	DNA methylation inhibitor attenuates polyglutamineâ€induced neurodegeneration by regulating Hes5. EMBO Molecular Medicine, 2019, 11, .	6.9	16
25	Convergence of cellâ€surface and intracellular immune receptor signalling. New Phytologist, 2019, 221, 1676-1678.	7.3	20
26	Detecting a long insertion variant in SAMD12 by SMRT sequencing: implications of long-read whole-genome sequencing for repeat expansion diseases. Journal of Human Genetics, 2019, 64, 191-197.	2.3	33
27	An N-terminal motif in NLR immune receptors is functionally conserved across distantly related plant species. ELife, 2019, 8, .	6.0	162
28	Pre-clinical symptoms of SBMA may not be androgen-dependent: implications from two SBMA mouse models. Human Molecular Genetics, 2018, 27, 2425-2442.	2.9	8
29	Increased expression level of Hsp70 in the inner ears of mice by exposure to low frequency noise. Hearing Research, 2018, 363, 49-54.	2.0	10
30	Cerebrotendinous Xanthomatosis with Nodular-hypertrophy of the Lumbosacral Roots. Internal Medicine, 2018, 57, 1669-1670.	0.7	2
31	Systemic overexpression of SQSTM1/p62 accelerates disease onset in a SOD1H46R-expressing ALS mouse model. Molecular Brain, 2018, 11, 30.	2.6	31
32	Coexisting infectious diseases on admission as a risk factor for mechanical ventilation in patients with Guillainâ€“BarrÃ© syndrome. Journal of Epidemiology, 2017, 27, 311-316.	2.4	15
33	Myoclonia continua in primary CNS natural killer/T-cell lymphoma, nasal type. Neurology, 2017, 88, 329-330.	1.1	1
34	Juxtacortical Lesions in Multiple Sclerosis: Assessment of Gray Matter Involvement Using Phase Difference-enhanced Imaging (PADRE). Magnetic Resonance in Medical Sciences, 2016, 15, 349-354.	2.0	11
35	Natural Compounds Preventing Neurodegenerative Diseases Through Autophagic Activation. Journal of UOEH, 2016, 38, 139-148.	0.6	10
36	Impaired muscle uptake of creatine in spinal and bulbar muscular atrophy. Annals of Clinical and Translational Neurology, 2016, 3, 537-546.	3.7	38

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37	Evoked potentials are useful for diagnosis of neuromyelitis optica spectrum disorder. Journal of the Neurological Sciences, 2016, 364, 97-101.	0.6	14
38	Defects in Neuromuscular Transmission May Underlie Motor Dysfunction in Spinal and Bulbar Muscular Atrophy. Journal of Neuroscience, 2016, 36, 5094-5106.	3.6	29
39	BIIB021, a synthetic Hsp90 inhibitor, induces mutant ataxin-1 degradation through the activation of heat shock factor 1. Neuroscience, 2016, 327, 20-31.	2.3	13
40	FUS/TLS acts as an aggregation-dependent modifier of polyglutamine disease model mice. Scientific Reports, 2016, 6, 35236.	3.3	17
41	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
42	Zebra sign of precentral gyri in amyotrophic lateral sclerosis: A novel finding using phase difference enhanced (PADRE) imaging-initial results. European Radiology, 2016, 26, 4173-4183.	4.5	15
43	Paraneoplastic neuromyelitis optica spectrum disorder manifesting as intractable nausea and acute cerebellar ataxia associated with lung adenocarcinoma. Neurology and Clinical Neuroscience, 2015, 3, 223-225.	0.4	2
44	Neuronal intranuclear inclusion disease manifesting with newâ€onset epilepsy in the elderly. Neurology and Clinical Neuroscience, 2015, 3, 238-240.	0.4	12
45	Overexpression of hepatocyte growth factor in SBMA model mice has an additive effect on combination therapy with castration. Biochemical and Biophysical Research Communications, 2015, 468, 677-683.	2.1	6
46	Human immunoglobulinÂG suppresses the production of matrix metalloproteinaseâ€9 in peripheral blood mononuclear cells of patients with multiple sclerosis. Clinical and Experimental Neuroimmunology, 2015, 6, 281-288.	1.0	1
47	Contractile dysfunction in muscle may underlie androgen-dependent motor dysfunction in spinal bulbar muscular atrophy. Journal of Applied Physiology, 2015, 118, 941-952.	2.5	18
48	Axonal loss influences the response to rituximab treatment in neuropathy associated with IgM monoclonal gammopathy with anti-myelin-associated glycoprotein antibody. Journal of the Neurological Sciences, 2015, 348, 67-73.	0.6	24
49	Silencing neuronal mutant androgen receptor in a mouse model of spinal and bulbar muscular atrophy. Human Molecular Genetics, 2015, 24, 5985-5994.	2.9	48
50	Androgen-dependent loss of muscle BDNF mRNA in two mouse models of SBMA. Experimental Neurology, 2015, 269, 224-232.	4.1	15
51	Kinase-mediated orchestration of NADPH oxidase in plant immunity. Briefings in Functional Genomics, 2015, 14, 253-259.	2.7	23
52	Pioglitazone suppresses neuronal and muscular degeneration caused by polyglutamine-expanded androgen receptors. Human Molecular Genetics, 2015, 24, 314-329.	2.9	32
53	Antiandrogen Flutamide Protects Male Mice From Androgen-Dependent Toxicity in Three Models of Spinal Bulbar Muscular Atrophy. Endocrinology, 2014, 155, 2624-2634.	2.8	19
54	Transcriptional activation of TFEB/ZKSCAN3 target genes underlies enhanced autophagy in spinobulbar muscular atrophy. Human Molecular Genetics, 2014, 23, 1376-1386.	2.9	68

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55	Paeoniflorin eliminates a mutant AR via NF-YA-dependent proteolysis in spinal and bulbar muscular atrophy. Human Molecular Genetics, 2014, 23, 3552-3565.	2.9	36
56	Distinct acoustic features in spinal and bulbar muscular atrophy patients with laryngospasm. Journal of the Neurological Sciences, 2014, 337, 193-200.	0.6	14
57	Potential of a new MRI for visualizing cerebellar involvement in progressive supranuclear palsy. Parkinsonism and Related Disorders, 2014, 20, 157-161.	2.2	9
58	Heat shock factor-1 influences pathological lesion distribution of polyglutamine-induced neurodegeneration. Nature Communications, 2013, 4, 1405.	12.8	45
59	Clinicopathological features of neuropathy associated with lymphoma. Brain, 2013, 136, 2563-2578.	7.6	146
60	Suppression of UV-Induced Wrinkle Formation by Induction of HSP70 Expression in Mice. Journal of Investigative Dermatology, 2013, 133, 919-928.	0.7	26
61	p62/SQSTM1 Differentially Removes the Toxic Mutant Androgen Receptor via Autophagy and Inclusion Formation in a Spinal and Bulbar Muscular Atrophy Mouse Model. Journal of Neuroscience, 2013, 33, 7710-7727.	3.6	52
62	Genistein, a natural product derived from soybeans, ameliorates polyglutamineâ€mediated motor neuron disease. Journal of Neurochemistry, 2013, 126, 122-130.	3.9	11
63	Cortical and subcortical brain atrophy in Parkinson's disease with visual hallucination. Movement Disorders, 2013, 28, 1732-1736.	3.9	81
64	RNP2 of RNA Recognition Motif 1 Plays a Central Role in the Aberrant Modification of TDP-43. PLoS ONE, 2013, 8, e66966.	2.5	5
65	Current Status of Treatment of Spinal and Bulbar Muscular Atrophy. Neural Plasticity, 2012, 2012, 1-8.	2.2	20
66	Naratriptan mitigates CGRP1-associated motor neuron degeneration caused by an expanded polyglutamine repeat tract. Nature Medicine, 2012, 18, 1531-1538.	30.7	39
67	Viral delivery of miR-196a ameliorates the SBMA phenotype via the silencing of CELF2. Nature Medicine, 2012, 18, 1136-1141.	30.7	139
68	Pathogenesis and therapy of spinal and bulbar muscular atrophy (SBMA). Progress in Neurobiology, 2012, 99, 246-256.	5.7	99
69	c-Abl Inhibition Delays Motor Neuron Degeneration in the G93A Mouse, an Animal Model of Amyotrophic Lateral Sclerosis. PLoS ONE, 2012, 7, e46185.	2.5	35
70	Molecular Pathophysiology and Disease-Modifying Therapies for Spinal and Bulbar Muscular Atrophy. Archives of Neurology, 2012, 69, 436.	4.5	22
71	Macroautophagy Is Regulated by the UPRâ€“Mediator CHOP and Accentuates the Phenotype of SBMA Mice. PLoS Genetics, 2011, 7, e1002321.	3.5	84
72	Suppression of Alzheimer's Disease-Related Phenotypes by Expression of Heat Shock Protein 70 in Mice. Journal of Neuroscience, 2011, 31, 5225-5234.	3.6	148

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73	Dorfin ameliorates phenotypes in a transgenic mouse model of amyotrophic lateral sclerosis. Journal of Neuroscience Research, 2010, 88, 123-135.	2.9	21
74	Microarray Analysis of Gene Expression by Skeletal Muscle of Three Mouse Models of Kennedy Disease/Spinal Bulbar Muscular Atrophy. PLoS ONE, 2010, 5, e12922.	2.5	49
75	Disrupted Transforming Growth Factor-Î² Signaling in Spinal and Bulbar Muscular Atrophy. Journal of Neuroscience, 2010, 30, 5702-5712.	3.6	76
76	Suppression of Melanin Production by Expression of HSP70. Journal of Biological Chemistry, 2010, 285, 13254-13263.	3.4	39
77	Clinicopathological features of acute autonomic and sensory neuropathy. Brain, 2010, 133, 2881-2896.	7.6	84
78	Prevention of UVB Radiation-induced Epidermal Damage by Expression of Heat Shock Protein 70. Journal of Biological Chemistry, 2010, 285, 5848-5858.	3.4	64
79	Clinical Features and Molecular Mechanisms of Spinal and Bulbar Muscular Atrophy (SBMA). Advances in Experimental Medicine and Biology, 2010, 685, 64-74.	1.6	27
80	Heat shock proteins in neurodegenerative diseases: Pathogenic roles and therapeutic implications. International Journal of Hyperthermia, 2009, 25, 647-654.	2.5	62
81	HSP70 Confers Protection against Indomethacin-Induced Lesions of the Small Intestine. Journal of Pharmacology and Experimental Therapeutics, 2009, 330, 458-467.	2.5	41
82	TDP-43 Depletion Induces Neuronal Cell Damage through Dysregulation of Rho Family GTPases. Journal of Biological Chemistry, 2009, 284, 22059-22066.	3.4	84
83	A Role for HSP70 in Protecting against Indomethacin-induced Gastric Lesions. Journal of Biological Chemistry, 2009, 284, 19705-19715.	3.4	78
84	17-DMAG ameliorates polyglutamine-mediated motor neuron degeneration through well-preserved proteasome function in an SBMA model mouse. Human Molecular Genetics, 2009, 18, 898-910.	2.9	109
85	Phase 2 trial of leuprorelin in patients with spinal and bulbar muscular atrophy. Annals of Neurology, 2009, 65, 140-150.	5.3	147
86	Getting a handle on Huntington's disease: the case for cholesterol. Nature Medicine, 2009, 15, 253-254.	30.7	21
87	Overexpression of IGF-1 in Muscle Attenuates Disease in a Mouse Model of Spinal and Bulbar Muscular Atrophy. Neuron, 2009, 63, 316-328.	8.1	205
88	Molecular Genetics and Biomarkers of Polyglutamine Diseases. Current Molecular Medicine, 2008, 8, 221-234.	1.3	51
89	Genetic Evidence for a Protective Role for Heat Shock Factor 1 and Heat Shock Protein 70 against Colitis. Journal of Biological Chemistry, 2007, 282, 23240-23252.	3.4	129
90	CHIP Overexpression Reduces Mutant Androgen Receptor Protein and Ameliorates Phenotypes of the Spinal and Bulbar Muscular Atrophy Transgenic Mouse Model. Journal of Neuroscience, 2007, 27, 5115-5126.	3.6	136

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91	Gene Expressions Specifically Detected in Motor Neurons (Dynactin 1, Early Growth Response 3,) Tj ETQq1 1 0.784314 rgBT /Overloc Markers in Sporadic Amyotrophic Lateral Sclerosis. Journal of Neuropathology and Experimental Neurology, 2007, 66, 617-627.	1.7	36
92	Classic Polyarteritis Nodosa Presenting Rare Clinical Manifestations in a Patient with Hemophilia A. International Journal of Hematology, 2006, 83, 420-425.	1.6	1
93	Pathogenesis, animal models and therapeutics in Spinal and bulbar muscular atrophy (SBMA). Experimental Neurology, 2006, 200, 8-18.	4.1	78
94	Alleviating Neurodegeneration by an Anticancer Agent: An Hsp90 Inhibitor (17-AAG). Annals of the New York Academy of Sciences, 2006, 1086, 21-34.	3.8	44
95	Modulation of Hsp90 function in neurodegenerative disorders: a molecular-targeted therapy against disease-causing protein. Journal of Molecular Medicine, 2006, 84, 635-646.	3.9	91
96	Mutant androgen receptor accumulation in spinal and bulbar muscular atrophy scrotal skin: A pathogenic marker. Annals of Neurology, 2006, 59, 520-526.	5.3	47
97	Reversible Disruption of Dynactin 1-Mediated Retrograde Axonal Transport in Polyglutamine-Induced Motor Neuron Degeneration. Journal of Neuroscience, 2006, 26, 12106-12117.	3.6	103
98	Widespread nuclear and cytoplasmic accumulation of mutant androgen receptor in SBMA patients. Brain, 2005, 128, 659-670.	7.6	182
99	17-AAG, an Hsp90 inhibitor, ameliorates polyglutamine-mediated motor neuron degeneration. Nature Medicine, 2005, 11, 1088-1095.	30.7	363
100	Gene expression profile of spinal motor neurons in sporadic amyotrophic lateral sclerosis. Annals of Neurology, 2005, 57, 236-251.	5.3	231
101	Pharmacological induction of heat-shock proteins alleviates polyglutamine-mediated motor neuron disease. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16801-16806.	7.1	228
102	Sweet relief for Huntington disease. Nature Medicine, 2004, 10, 123-124.	30.7	11
103	Spinal and bulbar muscular atrophy: ligand-dependent pathogenesis and therapeutic perspectives. Journal of Molecular Medicine, 2004, 82, 298-307.	3.9	43
104	Sodium butyrate ameliorates phenotypic expression in a transgenic mouse model of spinal and bulbar muscular atrophy. Human Molecular Genetics, 2004, 13, 1183-1192.	2.9	234
105	Leuprorelin rescues polyglutamine-dependent phenotypes in a transgenic mouse model of spinal and bulbar muscular atrophy. Nature Medicine, 2003, 9, 768-773.	30.7	286
106	Hsp105Î± Suppresses the Aggregation of Truncated Androgen Receptor with Expanded CAG Repeats and Cell Toxicity. Journal of Biological Chemistry, 2003, 278, 25143-25150.	3.4	72
107	Testosterone Reduction Prevents Phenotypic Expression in a Transgenic Mouse Model of Spinal and Bulbar Muscular Atrophy. Neuron, 2002, 35, 843-854.	8.1	452
108	c-Jun N-terminal kinase pathway mediates Lactacystin-induced cell death in a neuronal differentiated Neuro2a cell line. Molecular Brain Research, 2002, 108, 7-17.	2.3	14