Masashi Mizuguchi

List of Publications by Year
in descending order

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84 papers	2,931 citations	186265 28 h-index	182427 51 g-index
90 all docs	90 docs citations	90 times ranked	3235 citing authors

#	Article	IF	Citations
1	Epidemiology of acute encephalopathy in Japan, with emphasis on the association of viruses and syndromes. Brain and Development, 2012, 34, 337-343.	1.1	328
2	Acute necrotizing encephalopathy of childhood: a novel form of acute encephalopathy prevalent in Japan and Taiwan. Brain and Development, 1997, 19, 81-92.	1.1	320
3	Neuropathology of tuberous sclerosis. Brain and Development, 2001, 23, 508-515.	1.1	187
4	Rapamycin reverses impaired social interaction in mouse models of tuberous sclerosis complex. Nature Communications, 2012, 3, 1292.	12.8	182
5	Outcome of acute necrotizing encephalopathy in relation to treatment with corticosteroids and gammaglobulin. Brain and Development, 2009, 31, 221-227.	1.1	174
6	CDKL5 controls postsynaptic localization of GluN2B-containing NMDA receptors in the hippocampus and regulates seizure susceptibility. Neurobiology of Disease, 2017, 106, 158-170.	4.4	92
7	Novel Cerebral Lesions in the Eker Rat Model of Tuberous Sclerosis: Cortical Tuber and Anaplastic Ganglioglioma. Journal of Neuropathology and Experimental Neurology, 2000, 59, 188-196.	1.7	68
8	Carnitine palmitoyl transferase II polymorphism is associated with multiple syndromes of acute encephalopathy with various infectious diseases. Brain and Development, 2011, 33, 512-517.	1.1	67
9	Guidelines for the diagnosis and treatment of acute encephalopathy in childhood. Brain and Development, 2021, 43, 2-31.	1.1	67
10	Everolimus for epilepsy and autism spectrum disorder in tuberous sclerosis complex: EXIST-3 substudy in Japan. Brain and Development, 2019, 41, 1-10.	1.1	60
11	The developmental and aging changes of Down's syndrome cell adhesion molecule expression in normal and Down's syndrome brains. Acta Neuropathologica, 2000, 100, 654-664.	7.7	55
12	Comprehensive behavioral analysis of the Cdkl5 knockout mice revealed significant enhancement in anxiety- and fear-related behaviors and impairment in both acquisition and long-term retention of spatial reference memory. PLoS ONE, 2018, 13, e0196587.	2.5	52
13	Influenza encephalopathy and related neuropsychiatric syndromes. Influenza and Other Respiratory Viruses, 2013, 7, 67-71.	3.4	51
14	A severity score for acute necrotizing encephalopathy. Brain and Development, 2015, 37, 322-327.	1.1	51
15	Loss of tuberin from cerebral tissues with tuberous sclerosis and astrocytoma. Annals of Neurology, 1996, 40, 941-944.	5.3	49
16	Predominant Localization of the LIS Family of Gene Products to Cajal-Retzius Cells and Ventricular Neuroepithelium in the Developing Human Cortex. Journal of Neuropathology and Experimental Neurology, 1997, 56, 1044-1052.	1.7	49
17	Fukutin protein is expressed in neurons of the normal developing human brain but is reduced in Fukuyama-type congenital muscular dystrophy brain. Annals of Neurology, 2000, 47, 756-764.	5.3	47
18	Epidemiological changes of acute encephalopathy in Japan based on national surveillance for 2014â€“2017. Brain and Development, 2020, 42, 508-514.	1.1	41

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19	Acute infantile encephalopathy predominantly affecting the frontal lobes (AIEF): A novel clinical category and its tentative diagnostic criteria. Epilepsy Research, 2006, 70, 263-268.	1.6	39
20	Disrupted glutamate-glutamine cycle in acute encephalopathy with biphasic seizures and late reduced diffusion. Neuroradiology, 2015, 57, 1163-1168.	2.2	39
21	Brain hyperserotonemia causes autism-relevant social deficits in mice. Molecular Autism, 2018, 9, 60.	4.9	39
22	Doublecortin immunoreactivity in giant cells of tuberous sclerosis and focal cortical dysplasia. Acta Neuropathologica, 2002, 104, 418-424.	7.7	38
23	Molecular epidemiology of norovirus associated with gastroenteritis and emergence of norovirus GII.4 variant 2012 in Japanese pediatric patients. Infection, Genetics and Evolution, 2014, 23, 65-73.	2.3	37
24	Predictive score for early diagnosis of acute encephalopathy with biphasic seizures and late reduced diffusion (AESD). Journal of the Neurological Sciences, 2015, 358, 62-65.	0.6	37
25	Clinical and radiologic features of encephalopathy during 2011 E coli O111 outbreak in Japan. Neurology, 2014, 82, 564-572.	1.1	36
26	MYRF is associated with encephalopathy with reversible myelin vacuolization. Annals of Neurology, 2018, 83, 98-106.	5.3	35
27	Genetic linkage among human cytomegalovirus glycoprotein N (gN) and gO genes, with evidence for recombination from congenitally and post-natally infected Japanese infants. Journal of General Virology, 2008, 89, 2275-2279.	2.9	34
28	Missense mutations in sodium channel SCN1A and SCN2A predispose children to encephalopathy with severe febrile seizures. Epilepsy Research, 2015, 117, 1-6.	1.6	31
29	A Single Vaccination of Nonhuman Primates with Highly Attenuated Smallpox Vaccine, LC16m8, Provides Long-term Protection against Monkeypox. Japanese Journal of Infectious Diseases, 2017, 70, 408-415.	1.2	30
30	Epidemiology and Molecular Characterization of Sapovirus and Astrovirus in Japan, 2008-2009. Japanese Journal of Infectious Diseases, 2010, 63, 302-303.	1.2	28
31	Distribution and development of CLN2 protein, the late-infantile neuronal ceroid lipofuscinosis gene product. Acta Neuropathologica, 2001, 102, 20-26.	7.7	27
32	Clinically mild encephalitis with a reversible splenial lesion (MERS) after mumps vaccination. Journal of the Neurological Sciences, 2015, 349, 226-228.	0.6	27
33	Immunomodulatory therapy in recurrent acute necrotizing encephalopathy ANE1: Is it useful?. Brain and Development, 2012, 34, 384-391.	1.1	24
34	Molecular epidemiology of rotavirus gastroenteritis in Japan during 2014â€2015: Characterization of reâ€emerging G2P[4] after rotavirus vaccine introduction. Journal of Medical Virology, 2018, 90, 1040-1046.	5.0	24
35	Distribution of rotavirus genotypes in Japan from 2015 to 2018: Diversity in genotypes before and after introduction of rotavirus vaccines. Vaccine, 2020, 38, 3980-3986.	3.8	24
36	Association of the Emergence of Acyclovir-Resistant Herpes Simplex Virus Type 1 With Prognosis in Hematopoietic Stem Cell Transplantation Patients. Journal of Infectious Diseases, 2017, 215, 865-873.	4.0	23

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37	Severe demyelination in a patient with a late infantile form of Niemannâ€Pick disease type C. Neuropathology, 2017, 37, 426-430.	1.2	22
38	A case of recurrent encephalopathy with SCN2A missense mutation. Brain and Development, 2015, 37, 631-634.	1.1	20
39	Detection and molecular characterization of human cosavirus in a pediatric patient with acute gastroenteritis, Japan. Infection, Genetics and Evolution, 2014, 28, 125-129.	2.3	19
40	Clinical and genetic features of acute encephalopathy in children taking theophylline. Brain and Development, 2015, 37, 463-470.	1.1	19
41	Abnormal giant cells in the cerebral lesions of tuberous sclerosis complex. Congenital Anomalies (discontinued), 2007, 47, 2-8.	0.6	17
42	Holoprosencephaly with cerebellar vermis hypoplasia in 13q deletion syndrome: Critical region for cerebellar dysgenesis within 13q32.2q34. Brain and Development, 2015, 37, 714-718.	1.1	17
43	Manifestations and characteristics of congenital adrenal hyperplasia-associated encephalopathy. Brain and Development, 2016, 38, 638-647.	1.1	17
44	Human Parainfluenza Virus Type 3 Infections in Patients with Hematopoietic Stem Cell Transplants: the Mode of Nosocomial Infections and Prognosis. Japanese Journal of Infectious Diseases, 2018, 71, 109-115.	1.2	17
45	Use of multilocus variable-number tandem repeat analysis in molecular subtyping of Salmonella enterica serovar Typhi isolates. Journal of Medical Microbiology, 2012, 61, 223-232.	1.8	16
46	LOX-1 Is a Novel Therapeutic Target in Neonatal Hypoxic-Ischemic Encephalopathy. American Journal of Pathology, 2014, 184, 1843-1852.	3.8	16
47	Familial acute necrotizing encephalopathy without <scp>RANBP</scp>2 mutation: Poor outcome. Pediatrics International, 2016, 58, 1215-1218.	0.5	16
48	Absence of allelic loss in cytomegalic neurons of cortical tuber in the Eker rat model of tuberous sclerosis. Acta Neuropathologica, 2004, 107, 47-52.	7.7	15
49	Brain Symptoms of Tuberous Sclerosis Complex: Pathogenesis and Treatment. International Journal of Molecular Sciences, 2021, 22, 6677.	4.1	15
50	Identification of vaccine-derived rotavirus strains in children with acute gastroenteritis in Japan, 2012-2015. PLoS ONE, 2017, 12, e0184067.	2.5	15
51	Cerebrovascular damage in young rabbits after intravenous administration of Shiga toxin 2. Acta Neuropathologica, 2001, 102, 306-312.	7.7	14
52	TSC1 Controls Distribution of Actin Fibers through Its Effect on Function of Rho Family of Small GTPases and Regulates Cell Migration and Polarity. PLoS ONE, 2013, 8, e54503.	2.5	14
53	Case-control association study of rare nonsynonymous variants of SCN1A and KCNQ2 in acute encephalopathy with biphasic seizures and late reduced diffusion. Journal of the Neurological Sciences, 2020, 414, 116808.	0.6	11
54	Thermolabile polymorphism of carnitine palmitoyltransferase 2: A genetic risk factor of overall acute encephalopathy. Brain and Development, 2019, 41, 862-869.	1.1	10

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55	Recurrent acute necrotizing encephalopathy in a boy with RANBP2 mutation and thermolabile CPT2 variant: The first case of ANE1 in Japan. Brain and Development, 2021, 43, 873-878.	1.1	10
56	Truncation and microdeletion of EVC/EVC2 with missense mutation of EFCAB7 in Ellisâ€van Creveld syndrome. Congenital Anomalies (discontinued), 2016, 56, 209-216.	0.6	9
57	RANBP2 mutation causing autosomal dominant acute necrotizing encephalopathy attenuates its interaction with COX11. Neuroscience Letters, 2021, 763, 136173.	2.1	9
58	Acute necrotizing encephalopathy and a carnitine palmitoyltransferase 2 variant in an adult. Journal of Clinical Neuroscience, 2019, 61, 264-266.	1.5	8
59	Association of human cytomegalovirus (HCMV) neutralizing antibodies with antibodies to the HCMV glycoprotein complexes. Virology Journal, 2020, 17, 120.	3.4	8
60	Expression of a 45K subunit of platelet-activating factor acetylhydrolase in the developing mouse cerebellum. Anatomy and Embryology, 1998, 197, 415-419.	1.5	7
61	Development of telencephalin in the human cerebrum. Microscopy Research and Technique, 1999, 46, 18-23.	2.2	7
62	A 35-year-old female with growth and developmental retardation, progressive ataxia, dementia and visual loss. Neuropathology, 2005, 25, 103-106.	1.2	6
63	Cosavirus (family Picornaviridae) in pigs in Thailand and Japan. Archives of Virology, 2016, 161, 159-163.	2.1	6
64	Identification of epigenetic memory candidates associated with gestational age at birth through analysis of methylome and transcriptional data. Scientific Reports, 2021, 11, 3381.	3.3	6
65	GWAS identifies candidate susceptibility loci and microRNA biomarkers for acute encephalopathy with biphasic seizures and late reduced diffusion. Scientific Reports, 2022, 12, 1332.	3.3	6
66	A Case of Recurrent Acute Encephalopathy with Febrile Convulsive Status Epilepticus with Carnitine Palmitoyltransferase II Variation. Neuropediatrics, 2013, 44, 218-221.	0.6	5
67	Brain edema with clasmatodendrosis complicating ataxia telangiectasia. Brain and Development, 2017, 39, 629-632.	1.1	4
68	Autopsy case of right ventricular rhabdomyoma in tuberous sclerosis complex. Legal Medicine, 2019, 36, 37-40.	1.3	4
69	Protective association of HLA-DPB1*04:01:01 with acute encephalopathy with biphasic seizures and late reduced diffusion identified by HLA imputation. Genes and Immunity, 2022, 23, 123-128.	4.1	4
70	Longitudinal Trends of Prevalence of Neutralizing Antibody against Human Cytomegalovirus over the Past 30 Years in Japanese Women. Japanese Journal of Infectious Diseases, 2022, 75, 496-503.	1.2	4
71	A 2-year-old boy with hypoactivity of neonatal onset and profound developmental delay. Neuropathology, 2007, 27, 145-149.	1.2	3
72	Molecular characterization and sequence analysis of the 2B region of Aichivirus C strains in Japan and Thailand. Infection, Genetics and Evolution, 2014, 26, 89-94.	2.3	3

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73	Novel mutation in EFCAB7 alters expression and interaction of Ellisâ€“van Creveld ciliary proteins. Congenital Anomalies (discontinued), 2019, 59, 49-50.	0.6	3
74	Imaging and pathology in pediatric neurological disorders. Neuropathology, 2002, 22, 85-89.	1.2	2
75	Detection of mutations in the VP7 gene of vaccine-derived strains shed by monovalent rotavirus vaccine recipients. Access Microbiology, 2019, 1, e000033.	0.5	2
76	New Mechanism of Acyclovir Resistance in Herpes Simplex Virus 1, Which Has a UAG Stop Codon between the First and Second AUG Initiation Codons. Japanese Journal of Infectious Diseases, 2020, 73, 447-451.	1.2	2
77	Molecular pathology of human cerebral malformations. Congenital Anomalies (discontinued), 2003, 43, 22-28.	0.6	1
78	Cerebral malformation in a child with profound psychomotor retardation and infantile spasms. Neuropathology, 2001, 21, 333-335.	1.2	0
79	An 11-month-old girl with arrested psychomotor development and lactic acidosis. Neuropathology, 2004, 24, 103-106.	1.2	0
80	New yearâ€™s greetings. Brain and Development, 2016, 38, 1.	1.1	0
81	New yearâ€™s greetings. Brain and Development, 2018, 40, 1.	1.1	0
82	Neonatal Enterovirus Myocarditis: A Case Report. Nihon Shoni Junkanki Gakkai Zasshi = Pediatric Cardiology and Cardiac Surgery, 2019, 35, 284-289.	0.0	0
83	Antiâ€lipoprotein receptorâ€related protein 4 antibody titer correlates with the clinical course of myasthenia gravis. Pediatrics International, 2022, 64, e14916.	0.5	0
84	Virulence of herpes simplex virus 1 harbouring a UAG stop codon between the first and second initiation codon in the thymidine kinase gene. Japanese Journal of Infectious Diseases, 2021, , .	1.2	0