Junnichi Takanashi

List of Publications by Year
in descending order

145 papers	4,518 citations	109321 35 h-index	128289 60 g-index
146 all docs	146 docs citations	146 times ranked	4965 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	Two newly proposed infectious encephalitis/encephalopathy syndromes. Brain and Development, 2009, 31, 521-528.	1.1	244
3	Grain Growth and Endosperm Cell Size Under High Night Temperatures in Rice (Oryza sativa L.). Annals of Botany, 2005, 95, 695-701.	2.9	218
4	MLL2 and KDM6A mutations in patients with Kabuki syndrome. American Journal of Medical Genetics, Part A, 2013, 161, 2234-2243.	1.2	148
5	Phenotypic Spectrum of COL4A1 Mutations: Porencephaly to Schizencephaly. Annals of Neurology, 2013, 73, 48-57.	5.3	143
6	Mutations in POLR3A and POLR3B Encoding RNA Polymerase III Subunits Cause an Autosomal-Recessive Hypomyelinating Leukoencephalopathy. American Journal of Human Genetics, 2011, 89, 644-651.	6.2	137
7	Proteolipid protein gene duplications causing Pelizaeus-Merzbacher disease: Molecular mechanism and phenotypic manifestations. Annals of Neurology, 1999, 45, 624-632.	5.3	126
8	Encephalopathy with a reversible splenial lesion is associated with hyponatremia. Brain and Development, 2009, 31, 217-220.	1.1	121
9	Influenza-associated encephalitis/encephalopathy with a reversible lesion in the splenium of the corpus callosum: a case report and literature review. American Journal of Neuroradiology, 2004, 25, 798-802.	2.4	93
10	Differences in the time course of splenial and white matter lesions in clinically mild encephalitis/encephalopathy with a reversible splenial lesion (MERS). Journal of the Neurological Sciences, 2010, 292, 24-27.	0.6	91
11	Effects of Dry Matter Production, Translocation of Nonstructural Carbohydrates and Nitrogen Application on Grain Filling in Rice Cultivar Takanari, a Cultivar Bearing a Large Number of Spikelets. Plant Production Science, 2001, 4, 173-183.	2.0	77
12	Brain MR imaging in neonatal hyperammonemic encephalopathy resulting from proximal urea cycle disorders. American Journal of Neuroradiology, 2003, 24, 1184-7.	2.4	72
13	ADORA2A polymorphism predisposes children to encephalopathy with febrile status epilepticus. Neurology, 2013, 80, 1571-1576.	1.1	71
14	C5orf42 is the major gene responsible for OFD syndrome type VI. Human Genetics, 2014, 133, 367-377.	3.8	71
15	Brain MR imaging in acute hyperammonemic encephalopathy arising from late-onset ornithine transcarbamylase deficiency. American Journal of Neuroradiology, 2003, 24, 390-3.	2.4	69
16	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
17	Guidelines for the diagnosis and treatment of acute encephalopathy in childhood. Brain and Development, 2021, 43, 2-31.	1.1	67
18	Oxidative stress in patients with clinically mild encephalitis/encephalopathy with a reversible splenial lesion (MERS). Brain and Development, 2012, 34, 124-127.	1.1	60

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19	Moyamoya syndrome in a patient with Down syndrome presenting with chorea. Pediatric Neurology, 1993, 9, 396-398.	2.1	51
20	Kawasaki disease complicated by mild encephalopathy with a reversible splenial lesion (MERS). Journal of the Neurological Sciences, 2012, 315, 167-169.	0.6	50
21	The changing MR imaging appearance of polymicrogyria: a consequence of myelination. American Journal of Neuroradiology, 2003, 24, 788-93.	2.4	50
22	Moyamoya disease in children. Brain and Development, 2011, 33, 229-234.	1.1	49
23	Comprehensive analysis of coding variants highlights genetic complexity in developmental and epileptic encephalopathy. Nature Communications, 2019, 10, 2506.	12.8	46
24	Expanding the phenotypic spectrum of TUBB4A -associated hypomyelinating leukoencephalopathies. Neurology, 2014, 82, 2230-2237.	1.1	45
25	Pituitary cysts in childhood evaluated by MR imaging. American Journal of Neuroradiology, 2005, 26, 2144-7.	2.4	45
26	A Case of Acute Disseminated Encephalomyelitis Presenting Hypersomnia With Decreased Hypocretin Level in Cerebrospinal Fluid. Journal of Child Neurology, 2002, 17, 537-539.	1.4	44
27	Effect of High Temperature on Ripening in Rice Plants.. Japanese Journal of Crop Science, 2002, 71, 102-109.	0.2	44
28	Decreased Cerebrospinal Fluid Hypocretin-1 Levels Near the Onset of Narcolepsy in 2 Prepubertal Children. Sleep, 2003, 26, 555-557.	1.1	44
29	Comprehensive investigation of CASK mutations and other genetic etiologies in 41 patients with intellectual disability and microcephaly with pontine and cerebellar hypoplasia (MICPCH). PLoS ONE, 2017, 12, e0181791.	2.5	44
30	Antiphospholipid antibody syndrome in childhood strokes. Pediatric Neurology, 1995, 13, 323-326.	2.1	42
31	Epidemiological changes of acute encephalopathy in Japan based on national surveillance for 2014â€“2017. Brain and Development, 2020, 42, 508-514.	1.1	41
32	The axonal damage marker tau protein in the cerebrospinal fluid is increased in patients with acute encephalopathy with biphasic seizures and late reduced diffusion. Brain and Development, 2010, 32, 435-439.	1.1	40
33	Novel intragenic duplications and mutations of CASK in patients with mental retardation and microcephaly with pontine and cerebellar hypoplasia (MICPCH). Human Genetics, 2012, 131, 99-110.	3.8	40
34	Longitudinal MR imaging and proton MR spectroscopy in herpes simplex encephalitis. Journal of the Neurological Sciences, 1997, 149, 99-102.	0.6	39
35	Intragenic mutations in SMN1 may contribute more significantly to clinical severity than SMN2 copy numbers in some spinal muscular atrophy (SMA) patients. Brain and Development, 2014, 36, 914-920.	1.1	39
36	Disrupted glutamate-glutamine cycle in acute encephalopathy with biphasic seizures and late reduced diffusion. Neuroradiology, 2015, 57, 1163-1168.	2.2	39

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37	Neonate Showing Reversible Splenial Lesion. Archives of Neurology, 2005, 62, 1481.	4.5	38
38	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
39	Reversible white matter lesion in methionine adenosyltransferase I/III deficiency. American Journal of Neuroradiology, 2004, 25, 1843-5.	2.4	37
40	Clinical and radiologic features of encephalopathy during 2011 E coli O111 outbreak in Japan. Neurology, 2014, 82, 564-572.	1.1	36
41	Epidemiological, clinical, and genetic landscapes of hypomyelinating leukodystrophies. Journal of Neurology, 2014, 261, 752-758.	3.6	36
42	Sisters with clinically mild encephalopathy with a reversible splenial lesion (MERS)-like features; Familial MERS?. Journal of the Neurological Sciences, 2010, 290, 153-156.	0.6	35
43	Clinical and radiological features of Japanese patients with a severe phenotype due to CASK mutations. American Journal of Medical Genetics, Part A, 2012, 158A, 3112-3118.	1.2	34
44	Reversible restricted diffusion of entire corpus callosum. Journal of the Neurological Sciences, 2006, 247, 101-104.	0.6	33
45	Delirious behavior in influenza is associated with a reversible splenial lesion. Brain and Development, 2009, 31, 423-426.	1.1	32
46	Homozygous female Becker muscular dystrophy. American Journal of Medical Genetics, Part A, 2009, 149A, 1052-1055.	1.2	31
47	Mild influenza encephalopathy with biphasic seizures and late reduced diffusion. Journal of the Neurological Sciences, 2007, 256, 86-89.	0.6	30
48	Identification of novel <scp>SNORD118</scp> mutations in seven patients with leukoencephalopathy with brain calcifications and cysts. Clinical Genetics, 2017, 92, 180-187.	2.0	28
49	Adolescent case of Alexander disease: MR imaging and MR spectroscopy. Pediatric Neurology, 1998, 18, 67-70.	2.1	27
50	Diffuse cerebral hypomyelination with cerebellar atrophy and hypoplasia of the corpus callosum. Brain and Development, 2009, 31, 582-587.	1.1	27
51	Clinically mild encephalitis with a reversible splenial lesion (MERS) after mumps vaccination. Journal of the Neurological Sciences, 2015, 349, 226-228.	0.6	27
52	Dichloroacetate treatment in Leigh syndrome caused by mitochondrial DNA mutation. Journal of the Neurological Sciences, 1997, 145, 83-86.	0.6	26
53	Finger Cold-Induced Vasodilatation, Sympathetic Skin Response, and Râ€"R Interval Variation in Patients With Progressive Spinal Muscular Atrophy. Journal of Child Neurology, 2005, 20, 871-875.	1.4	26
54	Magnetic resonance imaging in late-onset ornithine transcarbamylase deficiency. Brain and Development, 2003, 25, 40-44.	1.1	25

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55	The first report of Japanese patients with asparagine synthetase deficiency. Brain and Development, 2017, 39, 236-242.	1.1	25
56	Magnetic resonance imaging confirms periventricular venous infarction in a term-born child with congenital hemiplegia. Developmental Medicine and Child Neurology, 2005, 47, 706.	2.1	25
57	Evaluation of magnetic resonance angiography with selective maximum intensity projection in patients with childhood moyamoya disease. European Journal of Paediatric Neurology, 1998, 2, 83-89.	1.6	24
58	Neuroradiologic findings in glutaric aciduria type II. Pediatric Neurology, 1999, 20, 142-145.	2.1	24
59	A splenial lesion with transiently reduced diffusion in clinically mild encephalitis is not always reversible: A case report. Brain and Development, 2009, 31, 710-712.	1.1	23
60	Progressive brain atrophy in Schinzelâ€“Giedion syndrome with a SETBP1 mutation. European Journal of Medical Genetics, 2015, 58, 369-371.	1.3	22
61	In vitro characterization of neurite extension using induced pluripotent stem cells derived from lissencephaly patients with TUBA1A missense mutations. Molecular Brain, 2016, 9, 70.	2.6	22
62	Drugs indicated for mitochondrial dysfunction as treatments for acute encephalopathy with onset of febrile convulsive status epileptics. Journal of the Neurological Sciences, 2016, 360, 57-60.	0.6	22
63	Prenatal clinical manifestations in individuals with COL4A1/2 variants. Journal of Medical Genetics, 2021, 58, 505-513.	3.2	22
64	Middle interhemispheric variant of holoprosencephaly associated with diffuse polymicrogyria. American Journal of Neuroradiology, 2003, 24, 394-7.	2.4	22
65	Slit ventricle syndrome after cyst-peritoneal shunting for temporal arachnoid cyst in children â€“ a clinical entity difficult to detect on neuroimaging study. Brain and Development, 2002, 24, 776-779.	1.1	21
66	Posterior Pituitary Bright Spot in Large Adenomas: MR Assessment of Its Disappearance or Relocation along the Stalk. Radiology, 2003, 226, 359-365.	7.3	21
67	Recurrent Meningitis Associated With a Petrous Apex Cephalocele. Journal of Child Neurology, 2005, 20, 168-170.	1.4	21
68	Different patterns of cerebellar abnormality and hypomyelination between POLR3A and POLR3B mutations. Brain and Development, 2014, 36, 259-263.	1.1	21
69	Comparative performance of magnetic resonance angiography and conventional angiography in moyamoya disease. Journal of Clinical Neuroscience, 2000, 7, 112-115.	1.5	20
70	Prevalence and characteristics of human parechovirus and enterovirus infection in febrile infants. Pediatrics International, 2018, 60, 142-147.	0.5	20
71	Empty sella in children as a key for diagnosis. Brain and Development, 2001, 23, 422-423.	1.1	19
72	Diffusion-weighted MRI for early diagnosis of neonatal herpes simplex encephalitis. Brain and Development, 2015, 37, 423-431.	1.1	19

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73	Comparison of MRI white matter changes with neuropsychologic impairment in Cockayne syndrome. Pediatric Neurology, 1992, 8, 295-298.	2.1	18
74	Reversible splenial lesion in the corpus callosum following rapid withdrawal of carbamazepine after neurosurgical decompression for trigeminal neuralgia. Journal of Clinical Neuroscience, 2012, 19, 1182-1184.	1.5	18
75	The magnetic resonance imaging spectrum of Pelizaeusâ€“Merzbacher disease: A multicenter study of 19 patients. Brain and Development, 2016, 38, 571-580.	1.1	18
76	Lesions in the central tegmental tract in autopsy cases of developmental brain disorders. Brain and Development, 2011, 33, 541-547.	1.1	17
77	Relationship between Dry Weight at Heading and the Number ofSpikelets on Individual Rice Tillers. Plant Production Science, 2007, 10, 430-441.	2.0	16
78	Brainstem disconnection associated with nodular heterotopia and proatlantal arteries. American Journal of Medical Genetics, Part A, 2009, 149A, 2479-2483.	1.2	15
79	Pontine hypoplasia in 5p-syndrome: A key MRI finding for a diagnosis. Brain and Development, 2010, 32, 571-573.	1.1	15
80	Genetic diagnosis and acetazolamide treatment of familial hemiplegic migraine. Brain and Development, 2011, 33, 332-334.	1.1	15
81	Q FEVER ENCEPHALITIS WITH CYTOKINE PROFILES IN SERUM AND CEREBROSPINAL FLUID. Pediatric Infectious Disease Journal, 2001, 20, 318-319.	2.0	15
82	Î³-Irradiation Deregulates Cell Cycle Control and Apoptosis in Nevoid Basal Cell Carcinoma Syndrome-derived Cells. Japanese Journal of Cancer Research, 1999, 90, 1351-1357.	1.7	14
83	Empty sella syndrome in nevoid basal cell carcinoma syndrome. Brain and Development, 2000, 22, 272-274.	1.1	13
84	An episode of acute encephalopathy with biphasic seizures and late reduced diffusion followed by hemiplegia and intractable epilepsy observed in a patient with a novel frameshift mutation in HNRNPU. Brain and Development, 2018, 40, 813-818.	1.1	13
85	Increased cytokines/chemokines and hyponatremia as a possible cause of clinically mild encephalitis/encephalopathy with a reversible splenial lesion associated with acute focal bacterial nephritis. Brain and Development, 2022, 44, 30-35.	1.1	13
86	Wide range of CNS manifestations of rotavirus infection. Brain and Development, 2011, 33, 9.	1.1	12
87	Increased Nâ€acetylaspartate in model mouse of pelizaeusâ€merzbacher disease. Journal of Magnetic Resonance Imaging, 2012, 35, 418-425.	3.4	12
88	Association Between Invisible Basal Ganglia and ZNF335 Mutations: A Case Report. Pediatrics, 2016, 138, .	2.1	12
89	Prognostic value of MR spectroscopy in patients with acute excitotoxic encephalopathy. Journal of the Neurological Sciences, 2020, 408, 116636.	0.6	12
90	Vacuolating leukoencephalopathy with subcortical cysts with late onset athetotic movements. Journal of the Neurological Sciences, 1999, 165, 90-93.	0.6	11

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91	Gorlin syndrome with ulcerative colitis in a Japanese girl. American Journal of Medical Genetics Part A, 2003, 121A, 65-68.	2.4	11
92	Late Delirious Behavior With 2009 H1N1 Influenza: Mild Autoimmune-Mediated Encephalitis?. Pediatrics, 2012, 129, e1068-e1071.	2.1	11
93	Metabolic changes in early childhood using LCModel with corrected water scaling method. Journal of Magnetic Resonance Imaging, 2012, 35, 174-180.	3.4	11
94	Loss of myelinated axons and astrocytosis in an autopsy case of acute encephalopathy with biphasic seizures and late reduced diffusion. Brain and Development, 2018, 40, 947-951.	1.1	11
95	Comparison of cellular sensitivity to UV killing with neuropsychological impairment in cockayne syndrome patients. Brain and Development, 1991, 13, 163-166.	1.1	10
96	Retrocerebellar arachnoid cysts in siblings with mental retardation and undescended testis. Brain and Development, 2002, 24, 310-313.	1.1	10
97	Neurochemistry in shiverer mouse depicted on MR spectroscopy. Journal of Magnetic Resonance Imaging, 2014, 39, 1550-1557.	3.4	10
98	Serum and CSF biomarkers in acute pediatric neurological disorders. Brain and Development, 2014, 36, 489-495.	1.1	10
99	Infantile traumatic brain injury with a biphasic clinical course and late reduced diffusion. Journal of the Neurological Sciences, 2018, 390, 63-66.	0.6	10
100	Thermolabile polymorphism of carnitine palmitoyltransferase 2: A genetic risk factor of overall acute encephalopathy. Brain and Development, 2019, 41, 862-869.	1.1	10
101	Efficacy and safety of fosphenytoin for acute encephalopathy in children. Brain and Development, 2015, 37, 418-422.	1.1	9
102	Activated microglia in acute encephalopathy with biphasic seizures and late reduced diffusion. Journal of the Neurological Sciences, 2016, 366, 91-93.	0.6	9
103	Altered MR imaging findings in a Japanese female child with PRUNE1-related disorder. Brain and Development, 2020, 42, 302-306.	1.1	9
104	14-3-3 Protein Detection in the Cerebrospinal Fluid of Patients With Influenza-Associated Encephalopathy. Journal of Child Neurology, 2006, 21, 562-565.	1.4	8
105	Evaluation of ferritin-overexpressing brain in newly developed transgenic mice. Magnetic Resonance Imaging, 2011, 29, 179-184.	1.8	8
106	A severe form of epidermal nevus syndrome associated with brainstem and cerebellar malformations and neonatal medulloblastoma. Brain and Development, 2012, 34, 881-885.	1.1	8
107	Neurochemistry of Hypomyelination Investigated with MR Spectroscopy. Magnetic Resonance in Medical Sciences, 2015, 14, 85-91.	2.0	8
108	Vital Signs as Predictor Factors of Intravenous Immunoglobulin Resistance in Patients With Kawasaki Disease. Clinical Pediatrics, 2018, 57, 1148-1153.	0.8	8

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109	Optic neuritis with silent cerebral lesions: Availability of FLAIR sequences. Pediatric Neurology, 1995, 12, 152-154.	2.1	7
110	Hypoyelination in I-cell disease; MRI, MR spectroscopy and neuropathological correlation. Brain and Development, 2012, 34, 780-783.	1.1	7
111	Wholeâ€exome sequencing of a unique brain malformation with periventricular heterotopia, cingulate polymicrogyria and midbrain tectal hyperplasia. Neuropathology, 2013, 33, 553-560.	1.2	7
112	Evaluation of the Diagnostic Criteria for Anti-NMDA Receptor Encephalitis in Japanese Children. Neurology, 2021, 96, e2070-e2077.	1.1	7
113	Elevated taurine and glutamate in cerebral juvenile xanthogranuloma on MR spectroscopy. Brain and Development, 2016, 38, 964-967.	1.1	6
114	A novel DARS2 mutation in a Japanese patient with leukoencephalopathy with brainstem and spinal cord involvement but no lactate elevation. Human Genome Variation, 2017, 4, 17051.	0.7	6
115	Pelizaeus-Merzbacher disease: Cellular hypersensitivity to ultraviolet light. Brain and Development, 1992, 14, 44-47.	1.1	5
116	Differences in the Rate of Seedling Emergence among Rice Cultivars under Low Soil-Moisture Conditions. Plant Production Science, 2001, 4, 94-102.	2.0	5
117	MR spectroscopy in 18q- syndrome suggesting other than hypomyelination. Brain and Development, 2014, 36, 57-60.	1.1	5
118	A new infectious encephalopathy syndrome, clinically mild encephalopathy associated with excitotoxicity (MEEX). Journal of the Neurological Sciences, 2017, 380, 27-30.	0.6	5
119	Neurochemistry of hyponatremic encephalopathy evaluated by MR spectroscopy. Brain and Development, 2020, 42, 767-770.	1.1	5
120	Clinically mild infantile encephalopathy associated with excitotoxicity. Journal of the Neurological Sciences, 2017, 373, 138-141.	0.6	4
121	POLR1C variants dysregulate splicing and cause hypomyelinating leukodystrophy. Neurology: Genetics, 2020, 6, e524.	1.9	4
122	Characteristic nail lesions in Kawasaki disease: Case series and literature review. Journal of Dermatology, 2022, 49, 232-238.	1.2	4
123	Estimation of photoparoxysmal response elicited by half-field visual stimulation. NeuroReport, 2000, 11, 203-206.	1.2	3
124	Intracranial dural venous anomalies in familial cervical cystic hygroma. Pediatric Neurology, 2005, 32, 50-52.	2.1	3
125	The evolving MR imaging appearance of lissencephaly: A case report. Brain and Development, 2007, 29, 522-524.	1.1	3
126	Clinical Pictures in Pelizaeus-Merzbacher Disease: A Report of a Case. Journal of Nippon Medical School, 2015, 82, 74-75.	0.9	3

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127	Comment on â€œDelayed myelination is not a constant feature of Allanâ€“Herndonâ€“Dudley syndrome: Report of a new case and review of the literatureâ€•by Azzolini S et al. Brain & Development 2014;36:716â€“720. Brain and Development, 2015, 37, 988-989.	1.1	3
128	Reader response: Evidence in focus: Nusinersen use in spinal muscular atrophy: Report of the Guideline Development, Dissemination, and Implementation Subcommittee of the American Academy of Neurology. Neurology, 2019, 93, 464-464.	1.1	3
129	Neurochemistry evaluated by MR spectroscopy in a patient with SPTAN1-related developmental and epileptic encephalopathy. Brain and Development, 2022, 44, 415-420.	1.1	3
130	Availability of frequency-selective fat-Saturation pulse (fat-Sat) MRI in childhood optic neuritis. Pediatric Neurology, 1996, 14, 64-65.	2.1	2
131	A Child with Three Episodes of Reversible Splenial Lesion. Neuropediatrics, 2013, 44, 199-202.	0.6	2
132	Excitotoxicity in encephalopathy associated with STEC O-157 infection. Brain and Development, 2018, 40, 357-360.	1.1	2
133	Proteolipid protein gene duplications causing Pelizaeusâ€Merzbacher disease: Molecular mechanism and phenotypic manifestations. Annals of Neurology, 1999, 45, 624-632.	5.3	2
134	Dipole Tracing Examination for the Electric Source of Photoparoxysmal Response Provoked by Half-Field Stimulation. Epilepsia, 2000, 41, 60-60.	5.1	1
135	Neurochemistry evaluated by MR spectroscopy in a patient with xeroderma pigmentosum group A. Brain and Development, 2018, 40, 931-933.	1.1	1
136	Neuroimaging on Pediatric Encephalopathy in Japan. , 2018, , 53-62.		1
137	Nursery Method for Mechanical Transplanting of Giant-embryo Rice Cultivar 'Haiminori'.. Japanese Journal of Crop Science, 2002, 71, 76-83.	0.2	1
138	Investigation of Electrical Focus and Generator Mechanism for Photoparoxysmal Discharges with a Dipole Tracing Method. Epilepsia, 1998, 39, 79-79.	5.1	0
139	Reversible restricted diffusion of entire corpus callosum. Journal of the Neurological Sciences, 2007, 254, 106.	0.6	0
140	Periventricular Haemosiderin Deposition in Patients with Congenital Hemiplegia. Developmental Medicine and Child Neurology, 2008, 37, 1016-1019.	2.1	0
141	Cerebral white matter lacerations in children caused by repetitive head trauma. Brain and Development, 2020, 42, 83-87.	1.1	0
142	Unilateral internal carotid artery absence in trisomy 18. Brain and Development, 2022, , .	1.1	0
143	Spontaneous tracheal rupture caused by acute asthma exacerbation. Pediatrics International, 2021, 63, 1541-1543.	0.5	0
144	Author reply to â€œOnycholysis associated with Kawasaki disease: A comment on characteristic nail lesions in Kawasaki disease: Case series and literature reviewâ€• Journal of Dermatology, 2022, 49, .	1.2	0

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145	A child with mitochondrial DNA deletion presenting diabetes mellitus as an initial symptom. Radiology Case Reports, 2022, 17, 2915-2918.	0.6	0