Heung Dong Kim

List of Publications by Year
in descending order

171 papers	5,672 citations	100601 38 h-index	107981 68 g-index
175 all docs	175 docs citations	175 times ranked	5574 citing authors

#	Article	IF	Citations
1	Updates on the ketogenic diet therapy for pediatric epilepsy. Biomedical Journal, 2022, 45, 19-26.	1.4	13
2	Efficacy and prognosis of long-term, high-dose steroid therapy for Lennoxâ€“Gastaut syndrome. Epilepsy Research, 2022, 179, 106847.	0.8	3
3	Efficacy of the Ketogenic Diet for Pediatric Epilepsy According to the Presence of Detectable Somatic		

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19	The phenotype and treatment of SCN2Aâ€related developmental and epileptic encephalopathy. Epileptic Disorders, 2020, 22, 563-570.	0.7	10
20	Cannabidiol for Treating Lennox-Gastaut Syndrome and Dravet Syndrome in Korea. Journal of Korean Medical Science, 2020, 35, e427.	1.1	18
21	Efficacy and Safety of Lacosamide in Adolescents with Lennox-Gastaut Syndrome. Annals of Child Neurology, 2020, 28, 93-99.	0.0	1
22	Precise detection of low-level somatic mutation in resected epilepsy brain tissue. Acta Neuropathologica, 2019, 138, 901-912.	3.9	92
23	Genetic and clinical features of SCN8A developmental and epileptic encephalopathy. Epilepsy Research, 2019, 158, 106222.	0.8	13
24	Optimized Treatment for Infantile Spasms: Vigabatrin versus Prednisolone versus Combination Therapy. Journal of Clinical Medicine, 2019, 8, 1591.	1.0	9
25	Short- and long-term seizure-free outcomes of dietary treatment in infants according to etiology. Seizure: the Journal of the British Epilepsy Association, 2019, 71, 100-104.	0.9	7
26	Clobazam as an adjunctive treatment for infantile spasms. Epilepsy and Behavior, 2019, 95, 161-165.	0.9	10
27	Proband-Only Clinical Exome Sequencing for Neurodevelopmental Disabilities. Pediatric Neurology, 2019, 99, 47-54.	1.0	19
28	Epilepsy Surgery for Children With Low-Grade Epilepsy-Associated Tumors: Factors Associated With Seizure Recurrence and Cognitive Function. Pediatric Neurology, 2019, 91, 50-56.	1.0	19
29	Advances in Ketogenic Diet Therapies in Pediatric Epilepsy. Annals of Child Neurology, 2019, 27, 105-112.	0.0	1
30	Recent Aspects of Pediatric Epilepsy Surgery. Journal of Epilepsy Research, 2019, 9, 87-92.	0.1	6
31	Changes in functional brain network topology after successful and unsuccessful corpus callosotomy for Lennox-Gastaut Syndrome. Scientific Reports, 2018, 8, 3414.	1.6	18
32	Targeted gene panel and genotype-phenotype correlation in children with developmental and epileptic encephalopathy. Epilepsy Research, 2018, 141, 48-55.	0.8	72
33	Differential effects on sodium current impairments by distinct SCN1A mutations in GABAergic neurons derived from Dravet syndrome patients. Brain and Development, 2018, 40, 287-298.	0.6	27
34	Efficient strategy for the molecular diagnosis of intractable early-onset epilepsy using targeted gene sequencing. BMC Medical Genomics, 2018, 11, 6.	0.7	55
35	Interregional metabolic connectivity of 2â€deoxyâ€2[¹⁸F]fluoroâ€Dâ€glucose positron emission tomography in vagus nerve stimulation for pediatric patients with epilepsy: A retrospective crossâ€sectional study. Epilepsia, 2018, 59, 2249-2259.	2.6	13
36	Brain somatic mutations in SLC35A2 cause intractable epilepsy with aberrant N-glycosylation. Neurology: Genetics, 2018, 4, e294.	0.9	58

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37	Efficacy of Stiripentol in Dravet Syndrome with or without SCN1A Mutations. Journal of		

#	Article	IF	Citations
55	Predictive role of brain connectivity for resective surgery in Lennoxâ€“Gastaut syndrome. Clinical Neurophysiology, 2016, 127, 2862-2868.	0.7	5
56	The Impact of a 35-Week Long-Term Exercise Therapy on Psychosocial Health of Children With Benign Epilepsy. Journal of Child Neurology, 2016, 31, 985-990.	0.7	19
57	Juvenile Myasthenia Gravis in Korea. Journal of Child Neurology, 2016, 31, 1561-1568.	0.7	19
58	Epilepsy Characteristics and Clinical Outcome in Patients With Mitochondrial Encephalomyopathy, Lactic Acidosis, and Stroke-Like Episodes (MELAS). Pediatric Neurology, 2016, 64, 59-65.	1.0	34
59	Surgical treatment of pediatric focal cortical dysplasia. Neurology, 2016, 87, 945-951.	1.5	44
60	Efficacy of the classic ketogenic and the modified Atkins diets in refractory childhood epilepsy. Epilepsia, 2016, 57, 51-58.	2.6	130
61	Review of clinical studies of perampanel in adolescent patients. Brain and Behavior, 2016, 6, e00505.	1.0	17
62	Parry-Romberg syndrome with ipsilateral hemipons involvement presenting as monoplegic ataxia. Korean Journal of Pediatrics, 2015, 58, 354.	1.9	7
63	Applying the bacterial meningitis score in children with cerebrospinal fluid pleocytosis: a single center's experience. Korean Journal of Pediatrics, 2015, 58, 251.	1.9	6
64	Neuropsychological effects of levetiracetam and carbamazepine in children with focal epilepsy. Neurology, 2015, 84, 2312-2319.	1.5	48
65	Brain somatic mutations in MTOR cause focal cortical dysplasia type II leading to intractable epilepsy. Nature Medicine, 2015, 21, 395-400.	15.2	406
66	The causal epileptic network identifies the primary epileptogenic zone in Lennoxâ€“Gastaut syndrome. Seizure: the Journal of the British Epilepsy Association, 2015, 33, 1-7.	0.9	3
67	Neurocognitive Function in Children After Anterior Temporal Lobectomy With Amygdalohippocampectomy. Pediatric Neurology, 2015, 52, 88-93.	1.0	11
68	Long-term prognosis of patients with Lennoxâ€“Gastaut syndrome in recent decades. Epilepsy Research, 2015, 110, 10-19.	0.8	52
69	Localization of epileptogenic zones in Lennoxâ€“Gastaut syndrome (LGS) using graph theoretical analysis of ictal intracranial EEG: A preliminary investigation. Brain and Development, 2015, 37, 29-36.	0.6	10
70	Screening for depression and anxiety disorder in children with headache. Korean Journal of Pediatrics, 2015, 58, 64.	1.9	11
71	Chronic inflammatory demyelinating polyneuropathy in children: a report of four patients with variable relapsing courses. Korean Journal of Pediatrics, 2015, 58, 194.	1.9	6
72	Psychological Problems and Clinical Outcomes of Children with Psychogenic Non-Epileptic Seizures. Yonsei Medical Journal, 2014, 55, 1556.	0.9	24

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73	Changing name of epilepsy in <scp>K</scp>orea; cerebroelectric disorder (noiâ€jeonâ€jeung,ë‡Œì„¸ì¦ˆè…¦é»ç—‡). Epilepsia, 2014, 55, 384-386.	2.6	23
74	Combined Use of Multiple Computational Intracranial EEG Analysis Techniques for the Localization of Epileptogenic Zones in Lennoxâ€“Gastaut Syndrome. Clinical EEG and Neuroscience, 2014, 45, 169-178.	0.9	12
75	Adjunctive Levetiracetam Treatment in Pediatric Lennox-Gastaut Syndrome. Pediatric Neurology, 2014, 51, 527-531.	1.0	19
76	The impact of an exercise therapy on psychosocial health of children with benign epilepsy: A pilot study. Epilepsy and Behavior, 2014, 37, 151-156.	0.9	47
77	Epilepsy-related clinical factors and psychosocial functions in pediatric epilepsy. Epilepsy and Behavior, 2014, 37, 43-48.	0.9	7
78	Outcomes of epilepsy surgery in childhood-onset epileptic encephalopathy. Brain and Development, 2014, 36, 496-504.	0.6	65
79	Managing tuberous sclerosis in the Asia-Pacific region: Refining practice and the role of targeted therapy. Journal of Clinical Neuroscience, 2014, 21, 1180-1187.	0.8	6
80	Polyunsaturated fatty acid-enriched diet therapy for a child with epilepsy. Brain and Development, 2014, 36, 163-166.	0.6	17
81	Wernicke's encephalopathy in a child with high dose thiamine therapy. Korean Journal of Pediatrics, 2014, 57, 496.	1.9	13
82	Congenital muscular dystrophy type 1A with residual merosin expression. Korean Journal of Pediatrics, 2014, 57, 149.	1.9	6
83	Myocardial atrophy in children with mitochondrial disease and Duchenne muscular dystrophy. Korean Journal of Pediatrics, 2014, 57, 232.	1.9	8
84	Seizure outcome of infantile spasms with focal cortical dysplasia. Brain and Development, 2013, 35, 816-820.	0.6	39
85	Catch-up growth after long-term implementation and weaning from ketogenic diet in pediatric epileptic patients. Clinical Nutrition, 2013, 32, 98-103.	2.3	32
86	Mitochondrial disease and epilepsy. Brain and Development, 2013, 35, 757-761.	0.6	47
87	Localization of epileptogenic zones in Lennoxâ€“Gastaut syndrome using frequency domain source imaging of intracranial electroencephalography: a preliminary investigation. Physiological Measurement, 2013, 34, 247-263.	1.2	8
88	Usefulness of Diffusion Tensor Tractography in Pediatric Epilepsy Surgery. Yonsei Medical Journal, 2013, 54, 21.	0.9	12
89	Quantitative Analysis of Simultaneous EEG Features during PET Studies for Childhood Partial Epilepsy. Yonsei Medical Journal, 2013, 54, 572.	0.9	9
90	Relapsed Herpes Simplex Virus Encephalitis after Epilepsy Surgery. Journal of Epilepsy Research, 2013, 3, 28-31.	0.1	14

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91	Epilepsy Surgery in Pediatric Intractable Epilepsy with Destructive Encephalopathy. Journal of Epilepsy Research, 2013, 3, 48-53.	0.1	4
92	The Significance of Insular Hypometabolism in Temporal Lobe Epilepsy in Children. Journal of Epilepsy Research, 2013, 3, 54-62.	0.1	11
93	Lower fat and better quality diet therapy for children with pharmacoresistant epilepsy. Korean Journal of Pediatrics, 2013, 56, 327.	1.9	4
94	Early cardiac evaluation in children with nonâ€specific mitochondrial disease with isolated mitochondrial respiratory chain complex I defect. Journal of Paediatrics and Child Health, 2012, 48, 1016-1020.	0.4	2
95	Safety and role of ketogenic parenteral nutrition for intractable childhood epilepsy. Brain and Development, 2012, 34, 620-624.	0.6	28
96	Rufinamide as an adjuvant treatment in children with Lennox-Gastaut syndrome. Seizure: the Journal of the British Epilepsy Association, 2012, 21, 288-291.	0.9	33
97	Dietary therapies: A worldwide phenomenon. Epilepsy Research, 2012, 100, 205-209.	0.8	19
98	A multicenter trial of oxcarbazepine oral suspension monotherapy in children newly diagnosed with partial seizures: A clinical and cognitive evaluation. Seizure: the Journal of the British Epilepsy Association, 2012, 21, 679-684.	0.9	17
99	Effects of lamotrigine on cognition and behavior compared to carbamazepine as monotherapy for children with partial epilepsy. Brain and Development, 2012, 34, 818-823.	0.6	24
100	Genetic and Epileptic Features in Rett Syndrome. Yonsei Medical Journal, 2012, 53, 495.	0.9	8
101	New Classification of Focal Cortical Dysplasia: Application to Practical Diagnosis. Journal of Epilepsy Research, 2012, 2, 38-42.	0.1	10
102	Localization of ictal onset zones in Lennoxâ€“Gastaut syndrome (LGS) based on information theoretical time delay analysis of intracranial electroencephalography (iEEG). Epilepsy Research, 2012, 99, 78-86.	0.8	9
103	Various indications for a modified Atkins diet in intractable childhood epilepsy. Brain and Development, 2012, 34, 570-575.	0.6	20
104	Epilepsy in Korean patients with Angelman syndrome. Korean Journal of Pediatrics, 2012, 55, 171.	1.9	5
105	Localization of ictal onset zones in Lennox-Gastaut syndrome using directional connectivity analysis of intracranial electroencephalography. Seizure: the Journal of the British Epilepsy Association, 2011, 20, 449-457.	0.9	32
106	Comparative trial of low- and high-dose zonisamide as monotherapy for childhood epilepsy. Seizure: the Journal of the British Epilepsy Association, 2011, 20, 558-563.	0.9	35
107	Comparison of shortâ€versus longâ€term ketogenic diet for intractable infantile spasms. Epilepsia, 2011, 52, 781-787.	2.6	56
108	Neuroimaging in identifying focal cortical dysplasia and prognostic factors in pediatric and adolescent epilepsy surgery. Epilepsia, 2011, 52, 722-727.	2.6	98

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109	Uncovered primary seizure foci in Lennoxâ€“Gastaut syndrome after corpus callosotomy. Brain and Development, 2011, 33, 672-677.	0.6	32
110	Evaluation of Algorithms for Intracranial EEG (iEEG) Source Imaging of Extended Sources: Feasibility of Using iEEG Source Imaging for Localizing Epileptogenic Zones in Secondary Generalized Epilepsy. Brain Topography, 2011, 24, 91-104.	0.8	28
111	Comparison of temporal lobectomies of children and adults with intractable temporal lobe epilepsy. Child's Nervous System, 2010, 26, 177-183.	0.6	41
112	Iron deficiency in children with mitochondrial disease. Metabolic Brain Disease, 2010, 25, 185-189.	1.4	1
113	A case of Ohtahara syndrome with mitochondrial respiratory chain complex I deficiency. Brain and Development, 2010, 32, 253-257.	0.6	31
114	Efficacy and tolerability of adjunctive therapy with zonisamide in childhood intractable epilepsy. Brain and Development, 2010, 32, 208-212.	0.6	23
115	Behavioral improvement after transplantation of neural precursors derived from embryonic stem cells into the globally ischemic brain of adolescent rats. Brain and Development, 2010, 32, 658-668.	0.6	7
116	Renal Stone Associated with the Ketogenic Diet in a 5-Year Old Girl with Intractable Epilepsy. Yonsei Medical Journal, 2010, 51, 457.	0.9	13
117	Initial Experiences with Proton MR Spectroscopy in Treatment Monitoring of Mitochondrial Encephalopathy. Yonsei Medical Journal, 2010, 51, 672.	0.9	17
118	Resective Pediatric Epilepsy Surgery in Lennox-Gastaut Syndrome. Pediatrics, 2010, 125, e58-e66.	1.0	96
119	Electroencephalography Features of Primary Epileptogenic Regions in Surgically Treated MRI-Negative Infantile Spasms. Pediatric Neurosurgery, 2010, 46, 182-187.	0.4	10
120	Usefulness of liquid ketogenic milk for intractable childhood epilepsy. European E-journal of Clinical Nutrition and Metabolism, 2010, 5, e203-e207.	0.4	2
121	Efficacy and Safety of Adjunctive Levetiracetam Therapy in Pediatric Intractable Epilepsy. Pediatric Neurology, 2010, 42, 86-92.	1.0	26
122	Caregiver's Burden and Quality of Life inÂMitochondrial Disease. Pediatric Neurology, 2010, 42, 271-276.	1.0	50
123	Electrocardiography as an early cardiac screening test in children with mitochondrial disease. Korean Journal of Pediatrics, 2010, 53, 644.	1.9	12
124	Ocular manifestations in Leigh syndrome. Korean Journal of Pediatrics, 2010, 53, 163.	1.9	0
125	Risk factors of ocular involvement in children with mitochondrial respiratory chain complex defect. Korean Journal of Pediatrics, 2010, 53, 994.	1.9	0
126	A case of hippocampal sclerosis diagnosed as cortical dysplasia due to preoperative brain MRI finding. Korean Journal of Pediatrics, 2010, 53, 106.	1.9	1

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127	Evaluation of renal function in children with mitochondrial respiratory chain complex defect: usefulness of cystatin C. Acta Paediatrica, International Journal of Paediatrics, 2009, 98, 1014-1018.	0.7	4
128	Clinical characteristics of patients with nonâ€specific and nonâ€categorized mitochondrial diseases. Acta Paediatrica, International Journal of Paediatrics, 2009, 98, 1825-1829.	0.7	17
129	Early surgery of hamartoma of the floor of the fourth ventricle: A case report. Brain and Development, 2009, 31, 347-351.	0.6	18
130	Insular epilepsy surgery under neuronavigation guidance using depth electrode. Child's Nervous System, 2009, 25, 591-597.	0.6	43
131	Optimal clinical management of children receiving the ketogenic diet: Recommendations of the International Ketogenic Diet Study Group. Epilepsia, 2009, 50, 304-317.	2.6	505
132	Comparison of various imaging modalities in localization of epileptogenic lesion using epilepsy surgery outcome in pediatric patients. Seizure: the Journal of the British Epilepsy Association, 2009, 18, 504-510.	0.9	56
133	Outcome of surgical treatment in non-lesional intractable childhood epilepsy. Seizure: the Journal of the British Epilepsy Association, 2009, 18, 625-629.	0.9	33
134	Factors Influencing the Evolution of West Syndrome to Lennox-Gastaut Syndrome. Pediatric Neurology, 2009, 41, 111-113.	1.0	24
135	Endoscopic disconnection of hypothalamic astrocytoma causing gelastic epilepsy. Journal of Neurosurgery: Pediatrics, 2009, 4, 151-155.	0.8	3
136	10th Asian & Oceanian Congress of Child Neurology: Expanding the Field of Child Neurology from the Region to the World. Future Neurology, 2009, 4, 551-553.	0.9	0
137	Clinical manifestations and neuroimaging findings of schizencephaly in children. Korean Journal of Pediatrics, 2009, 52, 458.	1.9	0
138	Ictal single-photon emission computed tomography with slow dye injection for determining primary epileptic foci in infantile spasms. Korean Journal of Pediatrics, 2009, 52, 804.	1.9	1
139	Newly observed thalamic involvement and mutations of the HEXA gene in a Korean patient with juvenile GM2 gangliosidosis. Metabolic Brain Disease, 2008, 23, 235-242.	1.4	7
140	Neuroradiologic findings in children with mitochondrial disorder: correlation with mitochondrial respiratory chain defects. European Radiology, 2008, 18, 1741-1748.	2.3	19
141	Mitochondrial respiratory chain defects: Underlying etiology in various epileptic conditions. Epilepsia, 2008, 49, 685-690.	2.6	129
142	Cultural challenges in using the ketogenic diet in Asian countries. Epilepsia, 2008, 49, 50-52.	2.6	70
143	Comparison of corpus callosotomy and vagus nerve stimulation in children with Lennoxâ€“Gastaut syndrome. Brain and Development, 2008, 30, 195-199.	0.6	90
144	Clinical efficacy of zonisamide in Lennoxâ€“Gastaut syndrome: Korean multicentric experience. Brain and Development, 2008, 30, 287-290.	0.6	43

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145	Improving tolerability of the ketogenic diet in patients with abnormal endoscopic findings. Brain and Development, 2008, 30, 416-419.	0.6	9
146	Effect of a ketogenic diet on EEG: Analysis of sample entropy. Seizure: the Journal of the British Epilepsy Association, 2008, 17, 561-566.	0.9	22
147	Long-Term Outcome of the Ketogenic Diet for Intractable Childhood Epilepsy With Focal Malformation of Cortical Development. Pediatrics, 2008, 122, e330-e333.	1.0	46
148	Advanced Treatment of Intractable Childhood Epilepsy. Epilepsy and Seizure, 2008, 1, 1-10.	0.1	0
149	Analysis on the association between EEG and 2-deoxy-2-[18F]-D-glucose (FDG)-PET findings in children with epilepsy. Korean Journal of Pediatrics, 2008, 51, 286.	1.9	0
150	Problems in the Application of the New International Classification of Epilepsy Proposed by ILAE. Journal of the Japan Epilepsy Society, 2008, 26, 76-83.	0.1	0
151	Vagus Nerve Stimulation in Intractable Childhood Epilepsy: a Korean Multicenter Experience. Journal of Korean Medical Science, 2007, 22, 442.	1.1	43
152	Safe and Effective Use of the Ketogenic Diet in Children with Epilepsy and Mitochondrial Respiratory Chain Complex Defects. Epilepsia, 2007, 48, 82-8.	2.6	159
153	Use of a Modified Atkins Diet in Intractable Childhood Epilepsy. Epilepsia, 2007, 48, 182-6.	2.6	105
154	Efficacy and Tolerability of the Ketogenic Diet According to Lipid:Nonlipid Ratios?Comparison of 3:1 with 4:1 Diet. Epilepsia, 2007, 48, 801-805.	2.6	149
155	The Effects on Cognitive Function and Behavioral Problems of Topiramate Compared to Carbamazepine as Monotherapy for Children with Benign Rolandic Epilepsy. Epilepsia, 2007, 48, 1716-1723.	2.6	66
156	Nonspecific mitochondrial disease with epilepsy in children: diagnostic approaches and epileptic phenotypes. Child's Nervous System, 2007, 23, 1301-1307.	0.6	23
157	Landau-Kleffner Syndrome with Mitochondrial Respiratory Chain-Complex I Deficiency. Pediatric Neurology, 2006, 35, 158-161.	1.0	25
158	Short-term trial of a liquid ketogenic milk to infants with West syndrome. Brain and Development, 2006, 28, 67.	0.6	10
159	Neurologic manifestations and treatment of Henochâ€“SchÃ¶nlein purpura. Brain and Development, 2006, 28, 547.	0.6	8
160	Ketogenic diet for treatment of infantile spasms. Brain and Development, 2006, 28, 566-571.	0.6	103
161	Clinical and Electroencephalographic Features of Infantile Spasms Associated with Malformations of Cortical Development. Pediatric Neurosurgery, 2006, 42, 20-27.	0.4	13
162	Diagnostic mutational analysis of MECP2 in Korean patients with Rett syndrome. Experimental and Molecular Medicine, 2006, 38, 119-125.	3.2	13

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163	The efficacy of ketogenic diet in childhood intractable epilepsy with malformation of cortical development. Korean Journal of Pediatrics, 2006, 49, 187.	1.9	0
164	Diet therapy in refractory pediatric epilepsy: increased efficacy and tolerability. Epileptic Disorders, 2006, 8, 309-16.	0.7	10
165	Efficacy and Safety of the Ketogenic Diet for Intractable Childhood Epilepsy: Korean Multicentric Experience. Epilepsia, 2005, 46, 272-279.	2.6	151
166	Prognostic Factors of Status Epilepticus in Children. Yonsei Medical Journal, 2005, 46, 27.	0.9	25
167	Benefits of the Nonfasting Ketogenic Diet Compared With the Initial Fasting Ketogenic Diet. Pediatrics, 2004, 114, 1627-1630.	1.0	113
168	Early- and Late-onset Complications of the Ketogenic Diet for Intractable Epilepsy. Epilepsia, 2004, 45, 1116-1123.	2.6	334
169	Diffusion tensor MRI visualizes decreased subcortical fiber connectivity in focal cortical dysplasia. NeuroImage, 2004, 22, 1826-1829.	2.1	78
170	Epilepsy: Other Supplementary Treatments. Taehan Uihak Hyophoe Chi the Journal of the Korean Medical Association, 2003, 46, 307.	0.1	3
171	A Mixed-Lipid Diet (Medium-Chain and Long-Chain Triglycerides) for Better Tolerability and Efficiency in Pediatric Epilepsy Patients. Annals of Child Neurology, 0, , .	0.0	0