Jeong Ho Lee

List of Publications by Year
in descending order

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54 papers	3,394 citations	257450 24 h-index	175258 52 g-index
58 all docs	58 docs citations	58 times ranked	5244 citing authors

#	Article	IF	Citations
1	De novo somatic mutations in components of the PI3K-AKT3-mTOR pathway cause hemimegalencephaly. Nature Genetics, 2012, 44, 941-945.	21.4	628
2	Human glioblastoma arises from subventricular zone cells with low-level driver mutations. Nature, 2018, 560, 243-247.	27.8	460
3	Brain somatic mutations in MTOR cause focal cortical dysplasia type II leading to intractable epilepsy. Nature Medicine, 2015, 21, 395-400.	30.7	406
4	Somatic Mutations in TSC1 and TSC2 Cause Focal Cortical Dysplasia. American Journal of Human Genetics, 2017, 100, 454-472.	6.2	157
5	The role of primary cilia in neuronal function. Neurobiology of Disease, 2010, 38, 167-172.	4.4	117
6	Brain somatic mutations observed in Alzheimerâ€™s disease associated with aging and dysregulation of tau phosphorylation. Nature Communications, 2019, 10, 3090.	12.8	103
7	BRAF somatic mutation contributes to intrinsic epileptogenicity in pediatric brain tumors. Nature Medicine, 2018, 24, 1662-1668.	30.7	93
8	Precise detection of low-level somatic mutation in resected epilepsy brain tissue. Acta Neuropathologica, 2019, 138, 901-912.	7.7	92
9	The <scp>ILAE</scp> consensus classification of focal cortical dysplasia: An update proposed by an ad hoc task force of the <scp>ILAE</scp> diagnostic methods commission. Epilepsia, 2022, 63, 1899-1919.	5.1	88
10	Roles of Primary Cilia in the Developing Brain. Frontiers in Cellular Neuroscience, 2019, 13, 218.	3.7	86
11	Evolutionarily Assembled cis-Regulatory Module at a Human Ciliopathy Locus. Science, 2012, 335, 966-969.	12.6	84
12	Brain Somatic Mutations in MTOR Disrupt Neuronal Ciliogenesis, Leading to Focal Cortical Dyslamination. Neuron, 2018, 99, 83-97.e7.	8.1	83
13	Calmodulin dynamically regulates the trafficking of the metabotropic glutamate receptor mGluR5. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12575-12580.	7.1	75
14	Tumor hypoxia represses Î³Î´ T cell-mediated antitumor immunity against brain tumors. Nature Immunology, 2021, 22, 336-346.	14.5	70
15	Frequent SLC35A2 brain mosaicism in mild malformation of cortical development with oligodendroglial hyperplasia in epilepsy (MOGHE). Acta Neuropathologica Communications, 2021, 9, 3.	5.2	62
16	Brain somatic mutations in SLC35A2 cause intractable epilepsy with aberrant N-glycosylation. Neurology: Genetics, 2018, 4, e294.	1.9	58
17	Artifactâ€Free 2D Mapping of Neural Activity In Vivo through Transparent Gold Nanonetwork Array. Advanced Functional Materials, 2020, 30, 2000896.	14.9	54
18	Toward a better definition of focal cortical dysplasia: An iterative histopathological and genetic agreement trial. Epilepsia, 2021, 62, 1416-1428.	5.1	54

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19	Next-generation sequencing reveals novel resistance mechanisms and molecular heterogeneity in EGFR-mutant non-small cell lung cancer with acquired resistance to EGFR-TKIs. Lung Cancer, 2017, 113, 106-114.	2.0	48
20	Brain somatic mutations in MTOR reveal translational dysregulations underlying intractable focal epilepsy. Journal of Clinical Investigation, 2019, 129, 4207-4223.	8.2	45
21	The use of technical replication for detection of low-level somatic mutations in next-generation sequencing. Nature Communications, 2019, 10, 1047.	12.8	43
22	Miniature ultrasound ring array transducers for transcranial ultrasound neuromodulation of freely-moving small animals. Brain Stimulation, 2019, 12, 251-255.	1.6	42
23	Detection of Brain Somatic Mutations in <scp>Cerebrospinal Fluid</scp> from Refractory Epilepsy Patients. Annals of Neurology, 2021, 89, 1248-1252.	5.3	37
24	Livedoid vasculitis responding to PUVA therapy. International Journal of Dermatology, 2001, 40, 153-157.	1.0	33
25	Global Analysis of Intercellular Homeodomain Protein Transfer. Cell Reports, 2019, 28, 712-722.e3.	6.4	28
26	Genetic Architectures and Cell-of-Origin in Glioblastoma. Frontiers in Oncology, 2020, 10, 615400.	2.8	26
27	Somatic mutations in disorders with disrupted brain connectivity. Experimental and Molecular Medicine, 2016, 48, e239-e239.	7.7	25
28	Mechanistic Target of Rapamycin Pathway in Epileptic Disorders. Journal of Korean Neurosurgical Society, 2019, 62, 272-287.	1.2	24
29	Nonâ€“Cell Autonomous Epileptogenesis in Focal Cortical Dysplasia. Annals of Neurology, 2021, 90, 285-299.	5.3	23
30	Growth Differentiation Factor 15 is a Cancer Cell-Induced Mitokine That Primes Thyroid Cancer Cells for Invasiveness. Thyroid, 2021, 31, 772-786.	4.5	20
31	Brain somatic mutations in MTOR leading to focal cortical dysplasia. BMB Reports, 2016, 49, 71-72.	2.4	19
32	Heparin Inhibits NF-ÎºB Activation and Increases Cell Death in Cerebral Endothelial Cells after Oxygen-Glucose Deprivation. Journal of Molecular Neuroscience, 2007, 32, 145-154.	2.3	18
33	Brain Somatic Mutations in Epileptic Disorders. Molecules and Cells, 2018, 41, 881-888.	2.6	18
34	Glioblastoma Cellular Origin and the Firework Pattern of Cancer Genesis from the Subventricular Zone. Journal of Korean Neurosurgical Society, 2020, 63, 26-33.	1.2	18
35	Low-Level Brain Somatic Mutations Are Implicated in Schizophrenia. Biological Psychiatry, 2021, 90, 35-46.	1.3	16
36	Detailed analysis of phenotypes and genotypes in megalencephaly-capillary malformation-polymicrogyria syndrome caused by somatic mosaicism of PIK3CA mutations. Orphanet Journal of Rare Diseases, 2020, 15, 205.	2.7	14

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37	Balloon cells promote immune system activation in focal cortical dysplasia type 2b. Neuropathology and Applied Neurobiology, 2021, 47, 826-839.	3.2	14
38	SWATH-MS analysis of cerebrospinal fluid to generate a robust battery of biomarkers for Alzheimerâ€™s disease. Scientific Reports, 2020, 10, 7423.	3.3	13
39	Molecular diagnostics in drugâ€resistant focal epilepsy define new disease entities. Brain Pathology, 2021, 31, e12963.	4.1	13
40	Vecuum: identification and filtration of false somatic variants caused by recombinant vector contamination. Bioinformatics, 2016, 32, 3072-3080.	4.1	10
41	Extraciliary roles of the ciliopathy protein JBTS17 in mitosis and neurogenesis. Annals of Neurology, 2019, 86, 99-115.	5.3	10
42	Microarray Analysis of Differentially Expressed Genes in the Brains of Tubby Mice. Korean Journal of Physiology and Pharmacology, 2009, 13, 91.	1.2	9
43	SHP2 mutations induce precocious gliogenesis of Noonan syndrome-derived iPSCs during neural development in vitro. Stem Cell Research and Therapy, 2020, 11, 209.	5.5	9
44	The origin-of-cell harboring cancer-driving mutations in human glioblastoma. BMB Reports, 2018, 51, 481-483.	2.4	9
45	Non-coding de novo mutations in chromatin interactions are implicated in autism spectrum disorder. Molecular Psychiatry, 2022, 27, 4680-4694.	7.9	9
46	Heparin Attenuates the Expression of TNFÎ±-induced Cerebral Endothelial Cell Adhesion Molecule. Korean Journal of Physiology and Pharmacology, 2008, 12, 231.	1.2	7
47	Efficacy of the Ketogenic Diet for Pediatric Epilepsy According to the Presence of Detectable Somatic		