

Jin-Moo Lee

List of Publications by Year in descending order

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236
papers

16,330
citations

26610

56
h-index

18633

119
g-index

251
all docs

251
docs citations

251
times ranked

23426
citing authors

#	ARTICLE	IF	CITATIONS
1	An Updated Definition of Stroke for the 21st Century. <i>Stroke</i> , 2013, 44, 2064-2089.	1.0	2,371
2	Multiancestry genome-wide association study of 520,000 subjects identifies 32 loci associated with stroke and stroke subtypes. <i>Nature Genetics</i> , 2018, 50, 524-537.	9.4	1,124
3	The changing landscape of ischaemic brain injury mechanisms. <i>Nature</i> , 1999, 399, A7-A14.	13.7	1,015
4	Neuronal activity regulates the regional vulnerability to amyloid- β^2 deposition. <i>Nature Neuroscience</i> , 2011, 14, 750-756.	7.1	744
5	Astrocytes: a central element in neurological diseases. <i>Acta Neuropathologica</i> , 2016, 131, 323-345.	3.9	597
6	Brain tissue responses to ischemia. <i>Journal of Clinical Investigation</i> , 2000, 106, 723-731.	3.9	426
7	Amyloid seeds formed by cellular uptake, concentration, and aggregation of the amyloid-beta peptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20324-20329.	3.3	361
8	Matrix Metalloproteinase-9 Degrades Amyloid- β^2 Fibrils in Vitro and Compact Plaques in Situ. <i>Journal of Biological Chemistry</i> , 2006, 281, 24566-24574.	1.6	315
9	Matrix Metalloproteinases Expressed by Astrocytes Mediate Extracellular Amyloid-beta Peptide Catabolism. <i>Journal of Neuroscience</i> , 2006, 26, 10939-10948.	1.7	314
10	Neuronal Apoptosis After CNS Injury: The Roles of Glutamate and Calcium. <i>Journal of Neurotrauma</i> , 2000, 17, 857-869.	1.7	262
11	Attenuating astrocyte activation accelerates plaque pathogenesis in APP/PS1 mice. <i>FASEB Journal</i> , 2013, 27, 187-198.	0.2	254
12	Amyloid- β^2 peptide induces oligodendrocyte death by activating the neutral sphingomyelinase- α ceramide pathway. <i>Journal of Cell Biology</i> , 2004, 164, 123-131.	2.3	246
13	Characterizing the Appearance and Growth of Amyloid Plaques in APP/PS1 Mice. <i>Journal of Neuroscience</i> , 2009, 29, 10706-10714.	1.7	230
14	Enhancing Astrocytic Lysosome Biogenesis Facilitates $A\beta^2$ Clearance and Attenuates Amyloid Plaque Pathogenesis. <i>Journal of Neuroscience</i> , 2014, 34, 9607-9620.	1.7	217
15	Loci associated with ischaemic stroke and its subtypes (SiGN): a genome-wide association study. <i>Lancet Neurology</i> , The, 2016, 15, 174-184.	4.9	217
16	Imaging of Functional Connectivity in the Mouse Brain. <i>PLoS ONE</i> , 2011, 6, e16322.	1.1	217
17	Neuronal-Targeted TFEB Accelerates Lysosomal Degradation of APP, Reducing $A\beta^2$ Generation and Amyloid Plaque Pathogenesis. <i>Journal of Neuroscience</i> , 2015, 35, 12137-12151.	1.7	193
18	Stroke Severity Is a Crucial Predictor of Outcome: An International Prospective Validation Study. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	152

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19	Spontaneous Infra-slow Brain Activity Has Unique Spatiotemporal Dynamics and Laminar Structure. <i>Neuron</i> , 2018, 98, 297-305.e6.	3.8	152
20	Interprotofilament interactions between Alzheimer's A β ₄₂ peptides in amyloid fibrils revealed by cryoEM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4653-4658.	3.3	147
21	Genetically Determined Levels of Circulating Cytokines and Risk of Stroke. <i>Circulation</i> , 2019, 139, 256-268.	1.6	147
22	Role of Phosphatidylinositol Clathrin Assembly Lymphoid-Myeloid Leukemia (PICALM) in Intracellular Amyloid Precursor Protein (APP) Processing and Amyloid Plaque Pathogenesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 21279-21289.	1.6	144
23	Characterizing learning deficits and hippocampal neuron loss following transient global cerebral ischemia in rats. <i>Brain Research</i> , 2005, 1043, 48-56.	1.1	143
24	An Antidepressant Decreases CSF A β Production in Healthy Individuals and in Transgenic AD Mice. <i>Science Translational Medicine</i> , 2014, 6, 236re4.	5.8	142
25	Optical imaging of disrupted functional connectivity following ischemic stroke in mice. <i>NeuroImage</i> , 2014, 99, 388-401.	2.1	142
26	Reducing Door-to-Needle Times Using Toyota's Lean Manufacturing Principles and Value Stream Analysis. <i>Stroke</i> , 2012, 43, 3395-3398.	1.0	133
27	Visinin-like protein 1: Diagnostic and prognostic biomarker in Alzheimer disease. <i>Annals of Neurology</i> , 2011, 70, 274-285.	2.8	132
28	Identification of additional risk loci for stroke and small vessel disease: a meta-analysis of genome-wide association studies. <i>Lancet Neurology</i> , The, 2016, 15, 695-707.	4.9	130
29	Outcome markers for clinical trials in cerebral amyloid angiopathy. <i>Lancet Neurology</i> , The, 2014, 13, 419-428.	4.9	124
30	Identification of Novel Brain Biomarkers. <i>Clinical Chemistry</i> , 2006, 52, 1713-1721.	1.5	119
31	Cost-Effectiveness of Solitaire Stent Retriever Thrombectomy for Acute Ischemic Stroke. <i>Stroke</i> , 2017, 48, 379-387.	1.0	115
32	Final Results of the RHAPSODY Trial: A Multi-Center, Phase 2 Trial Using a Continual Reassessment Method to Determine the Safety and Tolerability of 3K3A-APC, A Recombinant Variant of Human Activated Protein C, in Combination with Tissue Plasminogen Activator, Mechanical Thrombectomy or both in Moderate to Severe Acute Ischemic Stroke. <i>Annals of Neurology</i> , 2019, 85, 125-136.	2.8	113
33	The Brain Injury Biomarker VLP-1 Is Increased in the Cerebrospinal Fluid of Alzheimer Disease Patients. <i>Clinical Chemistry</i> , 2008, 54, 1617-1623.	1.5	107
34	Zinc translocation accelerates infarction after mild transient focal ischemia. <i>Neuroscience</i> , 2002, 115, 871-878.	1.1	102
35	Magnetic resonance cerebral metabolic rate of oxygen utilization in hyperacute stroke patients. <i>Annals of Neurology</i> , 2003, 53, 227-232.	2.8	100
36	Matrix metalloproteinase-9 and spontaneous hemorrhage in an animal model of cerebral amyloid angiopathy. <i>Annals of Neurology</i> , 2003, 54, 379-382.	2.8	99

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37	Genome-wide association meta-analysis of functional outcome after ischemic stroke. <i>Neurology</i> , 2019, 92, e1271-e1283.	1.5	99
38	The EEG and Prognosis in Status Epilepticus. <i>Epilepsia</i> , 1999, 40, 157-163.	2.6	96
39	Social networks and risk of delayed hospital arrival after acute stroke. <i>Nature Communications</i> , 2019, 10, 1206.	5.8	95
40	Functional connectivity structure of cortical calcium dynamics in anesthetized and awake mice. <i>PLoS ONE</i> , 2017, 12, e0185759.	1.1	93
41	Low-Density Lipoprotein Receptor-Related Protein 1 (LRP1) Mediates Neuronal A β 242 Uptake and Lysosomal Trafficking. <i>PLoS ONE</i> , 2010, 5, e11884.	1.1	87
42	Intravital imaging of amyloid plaques in a transgenic mouse model using optical-resolution photoacoustic microscopy. <i>Optics Letters</i> , 2009, 34, 3899.	1.7	83
43	Reducing Calcium Overload in the Ischemic Brain. <i>New England Journal of Medicine</i> , 1999, 341, 1543-1544.	13.9	81
44	Regional oxygen extraction predicts border zone vulnerability to stroke in sickle cell disease. <i>Neurology</i> , 2018, 90, e1134-e1142.	1.5	81
45	Ultrasound-aided Multi-parametric Photoacoustic Microscopy of the Mouse Brain. <i>Scientific Reports</i> , 2016, 5, 18775.	1.6	78
46	Silent infarcts in sickle cell disease occur in the border zone region and are associated with low cerebral blood flow. <i>Blood</i> , 2018, 132, 1714-1723.	0.6	78
47	Methylprednisolone Protects Oligodendrocytes But Not Neurons after Spinal Cord Injury. <i>Journal of Neuroscience</i> , 2008, 28, 3141-3149.	1.7	76
48	Vascular Permeability Precedes Spontaneous Intracerebral Hemorrhage in Stroke-Prone Spontaneously Hypertensive Rats. <i>Stroke</i> , 2007, 38, 3289-3291.	1.0	74
49	Temporal Relationship Between Apparent Diffusion Coefficient and Absolute Measurements of Cerebral Blood Flow in Acute Stroke Patients. <i>Stroke</i> , 2003, 34, 64-70.	1.0	73
50	Genetic variation at 16q24.2 is associated with small vessel stroke. <i>Annals of Neurology</i> , 2017, 81, 383-394.	2.8	73
51	Photo-activatable Cre recombinase regulates gene expression in vivo. <i>Scientific Reports</i> , 2015, 5, 13627.	1.6	70
52	Enhanced Detection of Edema in Malignant Anterior Circulation Stroke (EDEMA) Score. <i>Stroke</i> , 2017, 48, 1969-1972.	1.0	70
53	The localization and characterization of substance P and substance K in striatonigral neurons. <i>Brain Research</i> , 1986, 371, 152-154.	1.1	69
54	Multisensory stimulation improves functional recovery and resting-state functional connectivity in the mouse brain after stroke. <i>NeuroImage: Clinical</i> , 2018, 17, 717-730.	1.4	68

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55	Red cell exchange transfusions lower cerebral blood flow and oxygen extraction fraction in pediatric sickle cell anemia. <i>Blood</i> , 2018, 131, 1012-1021.	0.6	68
56	Protein Phosphatase 2A Regulates bim Expression via the Akt/FKHRL1 Signaling Pathway in Amyloid-beta Peptide-Induced Cerebrovascular Endothelial Cell Death. <i>Journal of Neuroscience</i> , 2006, 26, 2290-2299.	1.7	62
57	Stroke Genetics Network (SiGN) Study. <i>Stroke</i> , 2013, 44, 2694-2702.	1.0	62
58	Genetic variants associated with Alzheimer's disease confer different cerebral cortex cell-type population structure. <i>Genome Medicine</i> , 2018, 10, 43.	3.6	62
59	Oligodendrocyte degeneration and recovery after focal cerebral ischemia. <i>Neuroscience</i> , 2010, 169, 1364-1375.	1.1	61
60	Cell-Type-Specific Profiling of Alternative Translation Identifies Regulated Protein Isoform Variation in the Mouse Brain. <i>Cell Reports</i> , 2019, 26, 594-607.e7.	2.9	61
61	Noncoding RNAs in Cardiovascular Disease: Current Knowledge, Tools and Technologies for Investigation, and Future Directions: A Scientific Statement From the American Heart Association. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, e000062.	1.6	61
62	Cerebral Amyloid Angiopathy. <i>Stroke</i> , 2009, 40, S16-9.	1.0	57
63	Social networks and neurological illness. <i>Nature Reviews Neurology</i> , 2016, 12, 605-612.	4.9	55
64	Matrix metalloproteinase-9 in cerebral-amyloid-angiopathy-related hemorrhage. <i>Journal of the Neurological Sciences</i> , 2005, 229-230, 249-254.	0.3	53
65	Mild footshock stress dissociates substance P from substance K and dynorphin from Met- and Leu-enkephalin. <i>Brain Research</i> , 1986, 381, 393-396.	1.1	50
66	CantÃ© syndrome: Findings from 74 patients in the International CantÃ© Syndrome Registry. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2019, 181, 658-681.	0.7	50
67	Defining the Ischemic Penumbra Using Magnetic Resonance Oxygen Metabolic Index. <i>Stroke</i> , 2015, 46, 982-988.	1.0	49
68	Automated quantification of cerebral edema following hemispheric infarction: Application of a machine-learning algorithm to evaluate CSF shifts on serial head CTs. <i>NeuroImage: Clinical</i> , 2016, 12, 673-680.	1.4	49
69	<i>PATJ</i> Low Frequency Variants Are Associated With Worse Ischemic Stroke Functional Outcome. <i>Circulation Research</i> , 2019, 124, 114-120.	2.0	49
70	Symptomatic patients with intraluminal carotid artery thrombus: outcome with a strategy of initial anticoagulation. <i>Journal of Neurosurgery</i> , 2013, 118, 34-41.	0.9	48
71	Deep Learning for Automated Measurement of Hemorrhage and Perihematomal Edema in Supratentorial Intracerebral Hemorrhage. <i>Stroke</i> , 2020, 51, 648-651.	1.0	48
72	MR imaging enhancement patterns as predictors of hemorrhagic transformation in acute ischemic stroke. <i>American Journal of Neuroradiology</i> , 2003, 24, 674-9.	1.2	48

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73	Evidence That CD147 Modulation of $A\beta$ -Amyloid ($A\beta$) Levels Is Mediated by Extracellular Degradation of Secreted $A\beta$. <i>Journal of Biological Chemistry</i> , 2008, 283, 19489-19498.	1.6	46
74	Pathogenic Ischemic Stroke Phenotypes in the NINDS-Stroke Genetics Network. <i>Stroke</i> , 2014, 45, 3589-3596.	1.0	45
75	JNK activation contributes to DP5 induction and apoptosis following traumatic spinal cord injury. <i>Neurobiology of Disease</i> , 2005, 20, 881-889.	2.1	43
76	Hydroxyurea reduces cerebral metabolic stress in patients with sickle cell anemia. <i>Blood</i> , 2019, 133, 2436-2444.	0.6	43
77	ATM Gene Regulates Oxygen-Glucose Deprivation-Induced Nuclear Factor- κ B DNA-Binding Activity and Downstream Apoptotic Cascade in Mouse Cerebrovascular Endothelial Cells. <i>Stroke</i> , 2002, 33, 2471-2477.	1.0	40
78	Neurologic and neuroimaging manifestations of Cantu syndrome. <i>Neurology</i> , 2016, 87, 270-276.	1.5	40
79	Higher executive abilities following a blood transfusion in children and young adults with sickle cell disease. <i>Pediatric Blood and Cancer</i> , 2019, 66, e27899.	0.8	40
80	TFEB activation in macrophages attenuates postmyocardial infarction ventricular dysfunction independently of ATG5-mediated autophagy. <i>JCI Insight</i> , 2019, 4, .	2.3	39
81	Effective Connectivity Measured Using Optogenetically Evoked Hemodynamic Signals Exhibits Topography Distinct from Resting State Functional Connectivity in the Mouse. <i>Cerebral Cortex</i> , 2018, 28, 370-386.	1.6	38
82	Effects of CD2-associated protein deficiency on amyloid- β in neuroblastoma cells and in an APP transgenic mouse model. <i>Molecular Neurodegeneration</i> , 2015, 10, 12.	4.4	37
83	Large-Vessel Vasculopathy in Children With Sickle Cell Disease: A Magnetic Resonance Imaging Study of Infarct Topography and Focal Atrophy. <i>Pediatric Neurology</i> , 2017, 69, 49-57.	1.0	37
84	Fluselenamyl: A Novel Benzoselenazole Derivative for PET Detection of Amyloid Plaques ($A\beta$) in Alzheimer's Disease. <i>Scientific Reports</i> , 2016, 6, 35636.	1.6	36
85	Early Neurological Change After Ischemic Stroke Is Associated With 90-Day Outcome. <i>Stroke</i> , 2021, 52, 132-141.	1.0	36
86	Characterization of cis-regulatory elements of the vascular endothelial growth inhibitor gene promoter. <i>Biochemical Journal</i> , 2005, 388, 913-920.	1.7	35
87	Amyloid beta peptide increases DP5 expression via activation of neutral sphingomyelinase and JNK in oligodendrocytes. <i>Journal of Neurochemistry</i> , 2006, 97, 631-640.	2.1	35
88	Erythropoietin and its carbamylated derivative prevent the development of experimental diabetic autonomic neuropathy in STZ-induced diabetic NOD-SCID mice. <i>Experimental Neurology</i> , 2008, 209, 161-170.	2.0	35
89	Effect of escitalopram on $A\beta$ levels and plaque load in an Alzheimer mouse model. <i>Neurology</i> , 2020, 95, e2666-e2674.	1.5	35
90	Combination Therapy for Ischemic Stroke. <i>American Journal of Cardiovascular Drugs</i> , 2002, 2, 303-313.	1.0	34

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91	Application of Machine Learning to Automated Analysis of Cerebral Edema in Large Cohorts of Ischemic Stroke Patients. <i>Frontiers in Neurology</i> , 2018, 9, 687.	1.1	34
92	Reduction in Cerebrospinal Fluid Volume as an Early Quantitative Biomarker of Cerebral Edema After Ischemic Stroke. <i>Stroke</i> , 2020, 51, 462-467.	1.0	33
93	Expression profiling identifies a molecular signature of reactive astrocytes stimulated by cyclic AMP or proinflammatory cytokines. <i>Experimental Neurology</i> , 2008, 210, 261-267.	2.0	31
94	Separability of calcium slow waves and functional connectivity during wake, sleep, and anesthesia. <i>Neurophotonics</i> , 2019, 6, 1.	1.7	31
95	Signal Evolution and Infarction Risk for Apparent Diffusion Coefficient Lesions in Acute Ischemic Stroke Are Both Time- and Perfusion-Dependent. <i>Stroke</i> , 2011, 42, 1276-1281.	1.0	30
96	Minocycline Reduces Spontaneous Hemorrhage in Mouse Models of Cerebral Amyloid Angiopathy. <i>Stroke</i> , 2015, 46, 1633-1640.	1.0	30
97	CSF Volumetric Analysis for Quantification of Cerebral Edema After Hemispheric Infarction. <i>Neurocritical Care</i> , 2016, 24, 420-427.	1.2	30
98	Social Network Mapping and Functional Recovery Within 6 Months of Ischemic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 922-932.	1.4	30
99	Remote limb ischemic conditioning enhances motor learning in healthy humans. <i>Journal of Neurophysiology</i> , 2015, 113, 3708-3719.	0.9	29
100	Sensory deprivation after focal ischemia in mice accelerates brain remapping and improves functional recovery through Arc-dependent synaptic plasticity. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	28
101	Effect of escitalopram dose and treatment duration on CSF β levels in healthy older adults. <i>Neurology</i> , 2020, 95, e2658-e2665.	1.5	28
102	Lentiviral transduction of murine oligodendrocytes in vivo. <i>Journal of Neuroscience Research</i> , 2005, 82, 397-403.	1.3	27
103	Preexisting Statin Use Is Associated With Greater Reperfusion in Hyperacute Ischemic Stroke. <i>Stroke</i> , 2011, 42, 1307-1313.	1.0	27
104	Clinical Variables and Genetic Risk Factors Associated with the Acute Outcome of Ischemic Stroke: A Systematic Review. <i>Journal of Stroke</i> , 2019, 21, 276-289.	1.4	27
105	Genome-Wide Association Study Meta-Analysis of Stroke in 22 000 Individuals of African Descent Identifies Novel Associations With Stroke. <i>Stroke</i> , 2020, 51, 2454-2463.	1.0	26
106	β Alters AKT Activity, Resulting in Bad Translocation and Mitochondrial Dysfunction in Cerebrovascular Endothelial Cells. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 1445-1455.	2.4	25
107	Genetic studies of plasma analytes identify novel potential biomarkers for several complex traits. <i>Scientific Reports</i> , 2016, 6, .	1.6	25
108	Streamlined Hyperacute Magnetic Resonance Imaging Protocol Identifies Tissue-Type Plasminogen Activator-Eligible Stroke Patients When Clinical Impression Is Stroke Mimic. <i>Stroke</i> , 2016, 47, 1012-1017.	1.0	25

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109	Peripheral monocyte-derived cells counter amyloid plaque pathogenesis in a mouse model of Alzheimer's disease. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	25
110	Noninvasive detection of brainstem and spinal cord axonal degeneration in an amyotrophic lateral sclerosis mouse model. <i>NMR in Biomedicine</i> , 2011, 24, 163-169.	1.6	24
111	Streamlined triage and transfer protocols improve door-to-puncture time for endovascular thrombectomy in acute ischemic stroke. <i>Clinical Neurology and Neurosurgery</i> , 2018, 166, 71-75.	0.6	24
112	Does the white matter matter in Alzheimer disease and cerebral amyloid angiopathy?. <i>Neurology</i> , 2006, 66, 6-7.	1.5	23
113	Imaging and Treatment of Patients with Acute Stroke: An Evidence-Based Review. <i>American Journal of Neuroradiology</i> , 2014, 35, 1045-1051.	1.2	23
114	Opposed hemodynamic responses following increased excitation and parvalbumin-based inhibition. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 841-856.	2.4	23
115	Imaging Oxygen Metabolism in Acute Stroke Using MRI. <i>Current Radiology Reports</i> , 2014, 2, 39.	0.4	22
116	Independent Validation of the Secondary Intracerebral Hemorrhage Score With Catheter Angiography and Findings of Emergent Hematoma Evacuation. <i>Neurosurgery</i> , 2012, 70, 131-140.	0.6	21
117	GISCOME – Genetics of Ischaemic Stroke Functional Outcome network: A protocol for an international multicentre genetic association study. <i>European Stroke Journal</i> , 2017, 2, 229-237.	2.7	21
118	Outcome After Clipping and Coiling for Aneurysmal Subarachnoid Hemorrhage in Clinical Practice in Europe, USA, and Australia. <i>Neurosurgery</i> , 2019, 84, 1019-1027.	0.6	21
119	Hippocampal seizures cause depolymerization of filamentous actin in neurons independent of acute morphological changes. <i>Brain Research</i> , 2007, 1143, 238-246.	1.1	20
120	Bcl-x Pre-mRNA Splicing Regulates Brain Injury after Neonatal Hypoxia-Ischemia. <i>Journal of Neuroscience</i> , 2012, 32, 13587-13596.	1.7	20
121	Local Perturbations of Cortical Excitability Propagate Differentially Through Large-Scale Functional Networks. <i>Cerebral Cortex</i> , 2020, 30, 3352-3369.	1.6	20
122	Oxygen Metabolic Stress and White Matter Injury in Patients With Cerebral Small Vessel Disease. <i>Stroke</i> , 2022, 53, 1570-1579.	1.0	19
123	NEUROLOGIC COMPLICATIONS OF TRANSPLANTATION. <i>Neurologic Clinics</i> , 1998, 16, 21-33.	0.8	18
124	The Mechanism of High-Output Cardiac Hypertrophy Arising From Potassium Channel Gain-of-Function in Cantá Syndrome. <i>Function</i> , 2020, 1, zqaa004.	1.1	18
125	Causal Effect of MMP-1 (Matrix Metalloproteinase-1), MMP-8, and MMP-12 Levels on Ischemic Stroke. <i>Stroke</i> , 2021, 52, e316-e320.	1.0	18
126	Automated sleep state classification of wide-field calcium imaging data via multiplex visibility graphs and deep learning. <i>Journal of Neuroscience Methods</i> , 2022, 366, 109421.	1.3	18

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127	Oxygen Metabolism in Ischemic Stroke Using Magnetic Resonance Imaging. <i>Translational Stroke Research</i> , 2012, 3, 65-75.	2.3	17
128	Overlap in the Genetic Architecture of Stroke Risk, Early Neurological Changes, and Cardiovascular Risk Factors. <i>Stroke</i> , 2019, 50, 1339-1345.	1.0	17
129	Bulk volume susceptibility difference between deoxyhemoglobin and oxyhemoglobin for HbA and HbS: A comparative study. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 3383-3393.	1.9	17
130	Inhibition of the enzyme autotaxin reduces cortical excitability and ameliorates the outcome in stroke. <i>Science Translational Medicine</i> , 2022, 14, eabk0135.	5.8	17
131	Optical-resolution photoacoustic microscopy of ischemic stroke. <i>Proceedings of SPIE</i> , 2011, , .	0.8	16
132	Clinically Relevant Reperfusion in Acute Ischemic Stroke: MTT Performs Better than Tmax and TTP. <i>Translational Stroke Research</i> , 2014, 5, 415-421.	2.3	16
133	Genetic Imbalance Is Associated With Functional Outcome After Ischemic Stroke. <i>Stroke</i> , 2019, 50, 298-304.	1.0	16
134	Quantitative Serial CT Imaging-Derived Features Improve Prediction of Malignant Cerebral Edema after Ischemic Stroke. <i>Neurocritical Care</i> , 2020, 33, 785-792.	1.2	16
135	Intravenous Fibrinolysis Eligibility: A Survey of Stroke Clinicians' Practice Patterns and Review of the Literature. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2014, 23, 2130-2138.	0.7	15
136	Multi-ancestry GWAS reveals excitotoxicity associated with outcome after ischaemic stroke. <i>Brain</i> , 2022, 145, 2394-2406.	3.7	15
137	Distance From Home to Hospital and Thrombolytic Utilization for Acute Ischemic Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2011, 20, 295-301.	0.7	14
138	Defining the Ischemic Penumbra Using Hyperacute Neuroimaging: Deriving Quantitative Ischemic Thresholds. <i>Translational Stroke Research</i> , 2012, 3, 198-204.	2.3	14
139	Intravenous Tissue-Type Plasminogen Activator Therapy Is an Independent Risk Factor for Symptomatic Intracerebral Hemorrhage After Carotid Endarterectomy. <i>Neurosurgery</i> , 2014, 74, 254-261.	0.6	14
140	Hemispheric CSF volume ratio quantifies progression and severity of cerebral edema after acute hemispheric stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2907-2915.	2.4	14
141	Cerebral Oxygen Metabolic Stress, Microstructural Injury, and Infarction in Adults With Sickle Cell Disease. <i>Neurology</i> , 2021, 97, e902-e912.	1.5	14
142	Longitudinal cortex-wide monitoring of cerebral hemodynamics and oxygen metabolism in awake mice using multi-parametric photoacoustic microscopy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 3187-3199.	2.4	14
143	Using Human Genetics to Understand Mechanisms in Ischemic Stroke Outcome: From Early Brain Injury to Long-Term Recovery. <i>Stroke</i> , 2021, 52, 3013-3024.	1.0	14
144	Regulation of NGF gene expression in CNS glia by cell-cell contact. <i>Molecular Brain Research</i> , 1991, 11, 359-362.	2.5	13

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145	Early Changes of Tissue Perfusion After Tissue Plasminogen Activator in Hyperacute Ischemic Stroke. <i>Stroke</i> , 2011, 42, 65-72.	1.0	13
146	Characterization of a Brain Permeant Fluorescent Molecule and Visualization of A β 2 Parenchymal Plaques, Using Real-Time Multiphoton Imaging in Transgenic Mice. <i>Organic Letters</i> , 2014, 16, 3640-3643.	2.4	13
147	Visual experience sculpts whole-cortex spontaneous infraslow activity patterns through an Arc-dependent mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9952-E9961.	3.3	13
148	Genome-Wide Association Study of White Blood Cell Counts in Patients With Ischemic Stroke. <i>Stroke</i> , 2019, 50, 3618-3621.	1.0	13
149	Lesion evolution and neurodegeneration in RVCL-S. <i>Neurology</i> , 2020, 95, e1918-e1931.	1.5	13
150	Effects of remote limb ischemic conditioning on muscle strength in healthy young adults: A randomized controlled trial. <i>PLoS ONE</i> , 2020, 15, e0227263.	1.1	13
151	International stroke genetics consortium recommendations for studies of genetics of stroke outcome and recovery. <i>International Journal of Stroke</i> , 2022, 17, 260-268.	2.9	13
152	Resident-Based Acute Stroke Protocol Is Expeditious and Safe. <i>Stroke</i> , 2009, 40, 1512-1514.	1.0	12
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