

Dong-Wha Kang

List of Publications by Year in descending order

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131
papers

5,918
citations

76196

40
h-index

82410

72
g-index

132
all docs

132
docs citations

132
times ranked

6846
citing authors

#	ARTICLE	IF	CITATIONS
1	Early Response to Endovascular Thrombectomy after Stroke: Early, Late, and Very Late Time Windows. <i>Cerebrovascular Diseases</i> , 2023, 52, 28-35.	0.8	6
2	Clinical-Diffusion Mismatch Is Associated with Early Neurological Improvement after Late-Window Endovascular Treatment. <i>Cerebrovascular Diseases</i> , 2022, 51, 331-337.	0.8	3
3	Elevated Pulse Pressure and Recurrent Hemorrhagic Stroke Risk in Stroke With Cerebral Microbleeds or Intracerebral Hemorrhage. <i>Journal of the American Heart Association</i> , 2022, 11, e022317.	1.6	9
4	Deep Learning Approach Using Diffusion-Weighted Imaging to Estimate the Severity of Aphasia in Stroke Patients. <i>Journal of Stroke</i> , 2022, 24, 108-117.	1.4	0
5	Structural Changes of Intra and Extracranial Artery Dissection: a Study of High-Resolution Magnetic Resonance Imaging. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2022, 31, 106302.	0.7	3
6	Structural and Functional Correlates of Higher Cortical Brain Regions in Chronic Refractory Cough. <i>Chest</i> , 2022, 162, 851-860.	0.4	9
7	Transcranial Doppler as a Screening Tool for High-Risk Patent Foramen Ovale in Cryptogenic Stroke. <i>Journal of Neuroimaging</i> , 2021, 31, 165-170.	1.0	7
8	Machine Learning-Based Automatic Rating for Cardinal Symptoms of Parkinson Disease. <i>Neurology</i> , 2021, 96, e1761-e1769.	1.5	28
9	Patent Foramen Ovale Closure in Old Stroke Patients: A Subgroup Analysis of the DEFENSE-PFO Trial. <i>Journal of Stroke</i> , 2021, 23, 289-292.	1.4	13
10	Modeling and simulation to predict the degree of disability over time in acute ischemic stroke patients. <i>Clinical and Translational Science</i> , 2021, 14, 1988-1996.	1.5	1
11	Diagnosis of Acute Central Dizziness With Simple Clinical Information Using Machine Learning. <i>Frontiers in Neurology</i> , 2021, 12, 691057.	1.1	8
12	Deep learning-based detection and segmentation of diffusion abnormalities in acute ischemic stroke. <i>Communications Medicine</i> , 2021, 1, .	1.9	24
13	Prognostic Significance of Prolonged Corrected QT Interval in Acute Ischemic Stroke. <i>Frontiers in Neurology</i> , 2021, 12, 759822.	1.1	5
14	Fully Automated and Real-Time Volumetric Measurement of Infarct Core and Penumbra in Diffusion- and Perfusion-Weighted MRI of Patients with Hyper-Acute Stroke. <i>Journal of Digital Imaging</i> , 2020, 33, 262-272.	1.6	15
15	Repeatability of amide proton transfer-weighted signals in the brain according to clinical condition and anatomical location. <i>European Radiology</i> , 2020, 30, 346-356.	2.3	15
16	Post-stroke cognitive impairment as an independent predictor of ischemic stroke recurrence: PICASSO sub-study. <i>Journal of Neurology</i> , 2020, 267, 688-693.	1.8	56
17	Cilostazol Versus Aspirin in Ischemic Stroke Patients With High-Risk Cerebral Hemorrhage. <i>Stroke</i> , 2020, 51, 931-937.	1.0	23
18	Fully automated segmentation on brain ischemic and white matter hyperintensities lesions using semantic segmentation networks with squeeze-and-excitation blocks in MRI. <i>Informatics in Medicine Unlocked</i> , 2020, 21, 100440.	1.9	2

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19	Deep Learning-Based Method to Differentiate Neuromyelitis Optica Spectrum Disorder From Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2020, 11, 599042.	1.1	22
20	Are Genetic Variants Associated with the Location of Cerebral Arterial Lesions in Stroke Patients?. <i>Cerebrovascular Diseases</i> , 2020, 49, 262-268.	0.8	6
21	Machine Learning Approach to Identify Stroke Within 4.5 Hours. <i>Stroke</i> , 2020, 51, 860-866.	1.0	116
22	Reliability and Clinical Utility of Machine Learning to Predict Stroke Prognosis: Comparison with Logistic Regression. <i>Journal of Stroke</i> , 2020, 22, 403-406.	1.4	17
23	Changes in High-Density Lipoprotein Cholesterol and Risks of Cardiovascular Events: A Post Hoc Analysis from the PICASSO Trial. <i>Journal of Stroke</i> , 2020, 22, 108-118.	1.4	3
24	Intra-arterial thrombectomy for acute ischaemic stroke patients with active cancer. <i>Journal of Neurology</i> , 2019, 266, 2286-2293.	1.8	43
25	Blood Pressure Variability Is Associated With White Matter Lesion Growth in Intracranial Atherosclerosis. <i>American Journal of Hypertension</i> , 2019, 32, 918-924.	1.0	7
26	Fully Automatic Segmentation of Acute Ischemic Lesions on Diffusion-Weighted Imaging Using Convolutional Neural Networks: Comparison with Conventional Algorithms. <i>Korean Journal of Radiology</i> , 2019, 20, 1275.	1.5	40
27	Reliability of fast magnetic resonance imaging for acute ischemic stroke patients using a 1.5-T scanner. <i>European Radiology</i> , 2019, 29, 2641-2650.	2.3	11
28	Effects of Appointing a Full-Time Neurointensivist to Run a Closed-Type Neurological Intensive Care		

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37	Spontaneous and Unruptured Chronic Intracranial Artery Dissection. <i>Clinical Neuroradiology</i> , 2018, 28, 171-181.	1.0	23
38	Intracranial Pressure Soon After Hemispherectomy in Malignant Middle Cerebral Artery Infarction. <i>Journal of Intensive Care Medicine</i> , 2018, 33, 310-316.	1.3	8
39	Quantitative Predictive Models for the Degree of Disability After Acute Ischemic Stroke. <i>Journal of Clinical Pharmacology</i> , 2018, 58, 549-557.	1.0	5
40	The Impact of Cerebral Atherosclerosis According to Location on Prognosis after Coronary Artery Bypass Grafting. <i>Cerebrovascular Diseases</i> , 2018, 46, 200-209.	0.8	6
41	Prediction of hemorrhagic transformation in patients with mild atrial fibrillation-associated stroke treated with early anticoagulation: post hoc analysis of the Triple AXEL Trial. <i>Clinical Neurology and Neurosurgery</i> , 2018, 174, 156-162.	0.6	7
42	Patterns and Outcomes of the Top of the Basilar Artery Syndrome: The Role of the Posterior Communicating Artery. <i>Cerebrovascular Diseases</i> , 2018, 46, 106-115.	0.8	9
43	Prevention of cardiovascular events in Asian patients with ischaemic stroke at high risk of cerebral haemorrhage (PICASSO): a multicentre, randomised controlled trial. <i>Lancet Neurology</i> , The, 2018, 17, 509-518.	4.9	72
44	Impact of Lesion Load Thresholds on Alberta Stroke Program Early Computed Tomographic Score in Diffusion-Weighted Imaging. <i>Frontiers in Neurology</i> , 2018, 9, 273.	1.1	2
45	Comparison of 3D magnetic resonance imaging and digital subtraction angiography for intracranial artery stenosis. <i>European Radiology</i> , 2017, 27, 4737-4746.	2.3	29
46	Intracranial Artery Steno-Occlusion: Diagnosis by Using Two-dimensional Spatially Selective Radiofrequency Excitation Pulse MR Imaging. <i>Radiology</i> , 2017, 284, 834-843.	3.6	6
47	Rivaroxaban vs Warfarin Sodium in the Ultra-Early Period After Atrial Fibrillation-Related Mild Ischemic Stroke. <i>JAMA Neurology</i> , 2017, 74, 1206.	4.5	72
48	Brain hemorrhage recurrence, small vessel disease type, and cerebral microbleeds. <i>Neurology</i> , 2017, 89, 820-829.	1.5	180
49	Analysis of Risk Factors for Cerebral Microinfarcts after Carotid Endarterectomy and the Relevance		

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55	Impact of Provoking Risk Factors on the Prognosis of Cerebral Venous Thrombosis in Korean Patients. <i>Journal of Stroke</i> , 2016, 18, 187-194.	1.4	3
56	Reduction of Midline Shift Following Decompressive Hemicraniectomy for Malignant Middle Cerebral Artery Infarction. <i>Journal of Stroke</i> , 2016, 18, 328-336.	1.4	24
57	Quantitative Analysis Using High-Resolution 3T MRI in Acute Intracranial Artery Dissection. <i>Journal of Neuroimaging</i> , 2016, 26, 612-617.	1.0	18
58	Cardiac Vulnerability to Cerebrogenic Stress as a Possible Cause of Troponin Elevation in Stroke. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	29
59	Hemodynamic Tandem Intracranial Lesions on Magnetic Resonance Angiography in Patients Undergoing Carotid Endarterectomy. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	7
60	Vascular Tortuosity May Be Associated With Cervical Artery Dissection. <i>Stroke</i> , 2016, 47, 2548-2552.	1.0	62
61	Nonatherosclerotic Isolated Middle Cerebral Artery Disease May Be Early Manifestation of Moyamoya Disease. <i>Stroke</i> , 2016, 47, 2229-2235.	1.0	23
62	Recurrent Ischemic Lesions After Acute Atherothrombotic Stroke. <i>Stroke</i> , 2016, 47, 2323-2330.	1.0	54
63	Comparison of High-Resolution MR Imaging and Digital Subtraction Angiography for the Characterization and Diagnosis of Intracranial Artery Disease. <i>American Journal of Neuroradiology</i> , 2016, 37, 2245-2250.	1.2	30
64	Unclear-onset stroke: Daytime-unwitnessed stroke vs. wake-up stroke. <i>International Journal of Stroke</i> , 2016, 11, 212-220.	2.9	28
65	Silent new ischemic lesions after index stroke and the risk of future clinical recurrent stroke. <i>Neurology</i> , 2016, 86, 277-285.	1.5	22
66	Silent New Brain Lesions: Innocent Bystander or Guilty Party?. <i>Journal of Stroke</i> , 2016, 18, 38-49.	1.4	26
67	Post-Stenotic Recirculating Flow May Cause Hemodynamic Perforator Infarction. <i>Journal of Stroke</i> , 2016, 18, 66-72.	1.4	7
68	Intracranial Artery Stenting May Not Improve Cognitive Function: A Preliminary Study. <i>Journal of Stroke</i> , 2016, 18, 227-229.	1.4	3
69	Difference in the Location and Risk Factors of Cerebral Microbleeds According to Ischemic Stroke Subtypes. <i>Journal of Stroke</i> , 2016, 18, 297-303.	1.4	10
70	Petroclival Meningioma Accompanying Posterior Cerebral Artery Infarction. <i>Journal of Stroke</i> , 2016, 18, 114-116.	1.4	1
71	Vascular Tortuosity May Be Related to Intracranial Artery Atherosclerosis. <i>International Journal of Stroke</i> , 2015, 10, 1081-1086.	2.9	61
72	The Shape of Middle Cerebral Artery and Plaque Location: High-Resolution MRI Finding. <i>International Journal of Stroke</i> , 2015, 10, 856-860.	2.9	31

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73	Lesion Location-Based Prediction of Visual Field Improvement after Cerebral Infarction. PLoS ONE, 2015, 10, e0143882.	1.1	13
74	¹⁸ F-fluoromisonidazole (FMISO) Positron Emission Tomography (PET) Predicts Early Infarct Growth in Patients with Acute Ischemic Stroke. Journal of Neuroimaging, 2015, 25, 652-655.	1.0	8
75	Ischemic Stroke on Optimal Anticoagulation with Novel-Oral Anticoagulants Compared with Warfarin. International Journal of Stroke, 2015, 10, E68-E68.	2.9	4
76	CYP2C19 Genotype and Early Ischemic Lesion Recurrence in Stroke Patients Treated with Clopidogrel. Journal of Stroke and Cerebrovascular Diseases, 2015, 24, 440-446.	0.7	20
77	Modest Blood Pressure Reduction with Valsartan in Acute Ischemic Stroke: A Prospective, Randomized, Open-Label, Blinded-End-Point Trial. International Journal of Stroke, 2015, 10, 745-751.	2.9	44
78	Isolated MCA Disease in Patients Without Significant Atherosclerotic Risk Factors. Stroke, 2015, 46, 697-703.	1.0	62
79	Real-Time Strategy Video Game Experience and Visual Perceptual Learning. Journal of Neuroscience, 2015, 35, 10485-10492.	1.7	47
80	Intracranial and extracranial arterial dissection presenting with ischemic stroke: Lesion location and stroke mechanism. Journal of the Neurological Sciences, 2015, 358, 371-376.	0.3	48
81	Risk Factors Associated With the Presence of Unruptured Intracranial Aneurysms. Stroke, 2015, 46, 3093-3098.	1.0	47
82	Stroke Connectome and Its Implications for Cognitive and Behavioral Sequela of Stroke. Journal of Stroke, 2015, 17, 256-267.	1.4	61
83	Magnetic Resonance Imaging in Acute Ischemic Stroke Treatment. Journal of Stroke, 2014, 16, 131.	1.4	111
84	Diffusion-Weighted Image and Fluid-Attenuated Inversion Recovery Image Mismatch. Stroke, 2014, 45, 450-455.	1.0	20
85	Provoked Right-to-Left Shunt in Patent Foramen Ovale Associates With Ischemic Stroke in Posterior Circulation. Stroke, 2014, 45, 3707-3710.	1.0	28
86	Ischemic Stroke in Patients with Cancer: Is it Different from Usual Strokes?. International Journal of Stroke, 2014, 9, 406-412.	2.9	58
87	Carotid inflammation on ¹⁸ F-fluorodeoxyglucose positron emission tomography associates with recurrent ischemic lesions. Journal of the Neurological Sciences, 2014, 347, 242-245.	0.3	8
88	Early infarct growth predicts long-term clinical outcome in ischemic stroke. Journal of the Neurological Sciences, 2014, 347, 205-209.	0.3	19
89	New brain infarcts on magnetic resonance imaging after coronary artery bypass graft surgery: Lesion patterns, mechanism, and predictors. Annals of Neurology, 2014, 76, 347-355.	2.8	46
90	Color-Coded Fluid-Attenuated Inversion Recovery Images Improve Inter-Rater Reliability of Fluid-Attenuated Inversion Recovery Signal Changes Within Acute Diffusion-Weighted Image Lesions. Stroke, 2014, 45, 2801-2804.	1.0	12

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91	Validity of Acute Stroke Lesion Volume Estimation by Diffusion-Weighted Imaging—Alberta Stroke Program Early Computed Tomographic Score Depends on Lesion Location in 496 Patients With Middle Cerebral Artery Stroke. <i>Stroke</i> , 2014, 45, 3583-3588.	1.0	36
92	The Second Elevation of Neuron-Specific Enolase Peak after Ischemic Stroke Is Associated with Hemorrhagic Transformation. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2014, 23, 2437-2443.	0.7	23
93	Homocysteine, small-vessel disease, and atherosclerosis. <i>Neurology</i> , 2014, 83, 695-701.	1.5	52
94	The Effect of Cilostazol on Carotid Intima-Media Thickness Progression in Patients with Symptomatic Intracranial Atherosclerotic Stenosis. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2014, 23, 1164-1170.	0.7	6
95	Ischemic Lesion Burden and Characteristics of Aortic Atheroma. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2014, 23, 278-282.	0.7	5
96	Quantitative Measurements of Relative Fluid-Attenuated Inversion Recovery (FLAIR) Signal Intensities in Acute Stroke for the Prediction of Time from Symptom Onset. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 76-84.	2.4	46
97	Stroke Statistics in Korea: Part I. Epidemiology and Risk Factors: A Report from the Korean Stroke Society and Clinical Research Center for Stroke. <i>Journal of Stroke</i> , 2013, 15, 2.	1.4	283
98	Abstract TP131: Factors Influencing the Prognosis of Symptomatic and Asymptomatic Intracranial Atherosclerosis after Antiplatelet treatment: Substudy of Trials of Cilostazol in Symptomatic Intracranial Stenosis -2. <i>Stroke</i> , 2013, 44, .	1.0	0
99	New ischemic lesions coexisting with acute intracerebral hemorrhage. <i>Neurology</i> , 2012, 79, 848-855.	1.5	93
100	Reperfusion Therapy in Unclear-Onset Stroke Based on MRI Evaluation (RESTORE). <i>Stroke</i> , 2012, 43, 3278-3283.	1.0	59
101	Predictors of Recurrent Stroke in Patients With Symptomatic Intracranial Arterial Stenosis. <i>Stroke</i> , 2012, 43, 2785-2787.	1.0	54
102	Effect of Statin on Progression of Symptomatic Intracranial Atherosclerosis. <i>Canadian Journal of Neurological Sciences</i> , 2012, 39, 801-806.	0.3	10
103	Early infarct growth predicts long-term clinical outcome after thrombolysis. <i>Journal of the Neurological Sciences</i> , 2012, 316, 99-103.	0.3	22
104	Wake-Up or Unclear-Onset Strokes: Are they Waking up to the World of Thrombolysis Therapy?. <i>International Journal of Stroke</i> , 2012, 7, 311-320.	2.9	41
105	Stroke Risk After Coronary Artery Bypass Graft Surgery and Extent of Cerebral Artery Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2011, 57, 1811-1818.	1.2	80
106	DWI-FLAIR mismatch for the identification of patients with acute ischaemic stroke within 4.5 h of symptom onset (PRE-FLAIR): a multicentre observational study. <i>Lancet Neurology</i> , The, 2011, 10, 978-986.	4.9	468
107	Efficacy and Safety of Combination Antiplatelet Therapies in Patients With Symptomatic Intracranial Atherosclerotic Stenosis. <i>Stroke</i> , 2011, 42, 2883-2890.	1.0	126
108	Right-Left Propensity and Lesion Patterns Between Cardiogenic and Aortogenic Cerebral Embolisms. <i>Stroke</i> , 2011, 42, 2323-2325.	1.0	35

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109	Imaging Atherosclerosis in the Carotid Arteries with F-18-Fluoro-2-deoxy-D-glucose Positron Emission Tomography: Effect of Imaging Time after Injection on Quantitative Measurement. <i>Nuclear Medicine and Molecular Imaging</i> , 2010, 44, 261-266.	0.6	10
110	Difference in Infarct Volume and Patterns between Cardioembolism and Internal Carotid Artery Disease: Focus on the Degree of Cardioembolic Risk and Carotid Stenosis. <i>Cerebrovascular Diseases</i> , 2010, 29, 490-496.	0.8	33
111	Biochemical Aspirin Resistance and Recurrent Lesions in Patients with Acute Ischemic Stroke. <i>European Neurology</i> , 2010, 64, 51-57.	0.6	26
112	Inflammatory and Hemostatic Biomarkers Associated With Early Recurrent Ischemic Lesions in Acute Ischemic Stroke. <i>Stroke</i> , 2009, 40, 1653-1658.	1.0	59
113	Lesion volume increase is related to neurologic progression in patients with subcortical infarction. <i>Journal of the Neurological Sciences</i> , 2009, 284, 163-167.	0.3	15
114	Application of Magnetic Resonance Imaging. , 2009, , 135-146.		1
115	Differential patterns of evolution in acute middle cerebral artery infarction with perfusion-diffusion mismatch: Atherosclerotic vs. cardioembolic occlusion. <i>Journal of the Neurological Sciences</i> , 2008, 273, 93-98.	0.3	21
116	Safety and Efficacy of MRI-Based Thrombolysis in Unclear-Onset Stroke. <i>Cerebrovascular Diseases</i> , 2008, 25, 572-579.	0.8	89
117	Focal Fluid-Attenuated Inversion Recovery Hyperintensity Within Acute Diffusion-Weighted Imaging Lesions Is Associated With Symptomatic Intracerebral Hemorrhage After Thrombolysis. <i>Stroke</i> , 2008, 39, 3424-3426.	1.0	33
118	Lesion Volume Change After Treatment With Tissue Plasminogen Activator Can Discriminate Clinical Responders From Nonresponders. <i>Stroke</i> , 2007, 38, 2919-2923.	1.0	29
119	Early Recurrent Ischemic Lesions on Diffusion-Weighted Imaging in Symptomatic Intracranial Atherosclerosis. <i>Archives of Neurology</i> , 2007, 64, 50.	4.9	44
120	Mechanism of multiple infarcts in multiple cerebral circulations on diffusion-weighted imaging. <i>Journal of Neurology</i> , 2007, 254, 924-930.	1.8	38
121	Silent Ischemic Lesion Recurrence on Magnetic Resonance Imaging Predicts Subsequent Clinical Vascular Events. <i>Archives of Neurology</i> , 2006, 63, 1730.	4.9	52
122	Intracranial Atherosclerosis: Incidence, Diagnosis and Treatment. <i>Journal of Clinical Neurology</i>		

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127	Lesion Patterns and Mechanism of Ischemia in Internal Carotid Artery Disease. Archives of Neurology, 2002, 59, 1577.	4.9	78
128	Intracranial Cerebral Artery Disease as a Risk Factor for Central Nervous System Complications of Coronary Artery Bypass Graft Surgery. Stroke, 2001, 32, 94-99.	1.0	80
129	The Difference in Perceptions of Educational Need Between Epilepsy Patients and Medical Personnel. Epilepsia, 2001, 42, 785-789.	2.6	22
130	Significance of Acute Multiple Brain Infarction on Diffusion-Weighted Imaging. Stroke, 2000, 31, 688-694.	1.0	191
131	Blood Pressure Variability Can Predict Carotid Sinus Reaction after Carotid Stenting. American Journal of Hypertension, 0, , .	1.0	0