

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	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
2	Cryptogenic Stroke and High-Risk Patent Foramen Ovale. <i>Journal of the American College of Cardiology</i> , 2018, 71, 2335-2342.	1.2	388
3	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
4	Association of Ischemic Lesion Patterns on Early Diffusion-Weighted Imaging With TOAST Stroke Subtypes. <i>Archives of Neurology</i> , 2003, 60, 1730.	4.9	256
5	Significance of Susceptibility Vessel Sign on T2*-Weighted Gradient Echo Imaging for Identification of Stroke Subtypes. <i>Stroke</i> , 2005, 36, 2379-2383.	1.0	199
6	Significance of Acute Multiple Brain Infarction on Diffusion-Weighted Imaging. <i>Stroke</i> , 2000, 31, 688-694.	1.0	191
7	Brain hemorrhage recurrence, small vessel disease type, and cerebral microbleeds. <i>Neurology</i> , 2017, 89, 820-829.	1.5	180
8	Deep into the Brain: Artificial Intelligence in Stroke Imaging. <i>Journal of Stroke</i> , 2017, 19, 277-285.	1.4	179
9	Lesion Patterns and Stroke Mechanism in Atherosclerotic Middle Cerebral Artery Disease. <i>Stroke</i> , 2005, 36, 2583-2588.	1.0	177
10	Early ischemic lesion recurrence within a week after acute ischemic stroke. <i>Annals of Neurology</i> , 2003, 54, 66-74.	2.8	160
11	Efficacy and Safety of Combination Antiplatelet Therapies in Patients With Symptomatic Intracranial Atherosclerotic Stenosis. <i>Stroke</i> , 2011, 42, 2883-2890.	1.0	126
12	Machine Learning Approach to Identify Stroke Within 4.5 Hours. <i>Stroke</i> , 2020, 51, 860-866.	1.0	116
13	Magnetic Resonance Imaging in Acute Ischemic Stroke Treatment. <i>Journal of Stroke</i> , 2014, 16, 131.	1.4	111
14	New ischemic lesions coexisting with acute intracerebral hemorrhage. <i>Neurology</i> , 2012, 79, 848-855.	1.5	93
15	Safety and Efficacy of MRI-Based Thrombolysis in Unclear-Onset Stroke. <i>Cerebrovascular Diseases</i> , 2008, 25, 572-579.	0.8	89
16	Intracranial Cerebral Artery Disease as a Risk Factor for Central Nervous System Complications of Coronary Artery Bypass Graft Surgery. <i>Stroke</i> , 2001, 32, 94-99.	1.0	80
17	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
18	Lesion Patterns and Mechanism of Ischemia in Internal Carotid Artery Disease. <i>Archives of Neurology</i> , 2002, 59, 1577.	4.9	78

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19	Acute Brain Lesions on Magnetic Resonance Imaging and Delayed Neurological Sequelae in Carbon Monoxide Poisoning. JAMA Neurology, 2018, 75, 436.	4.5	74
20	Rivaroxaban vs Warfarin Sodium in the Ultra-Early Period After Atrial Fibrillation-Related Mild Ischemic Stroke. JAMA Neurology, 2017, 74, 1206.	4.5	72
21	Prevention of cardiovascular events in Asian patients with ischaemic stroke at high risk of cerebral haemorrhage (PICASSO): a multicentre, randomised controlled trial. Lancet Neurology, The, 2018, 17, 509-518.	4.9	72
22	Isolated MCA Disease in Patients Without Significant Atherosclerotic Risk Factors. Stroke, 2015, 46, 697-703.	1.0	62
23	Vascular Tortuosity May Be Associated With Cervical Artery Dissection. Stroke, 2016, 47, 2548-2552.	1.0	62
24	Vascular Tortuosity May Be Related to Intracranial Artery Atherosclerosis. International Journal of Stroke, 2015, 10, 1081-1086.	2.9	61
25	Stroke Connectome and Its Implications for Cognitive and Behavioral Sequela of Stroke. Journal of Stroke, 2015, 17, 256-267.	1.4	61
26	Inflammatory and Hemostatic Biomarkers Associated With Early Recurrent Ischemic Lesions in Acute Ischemic Stroke. Stroke, 2009, 40, 1653-1658.	1.0	59
27	Reperfusion Therapy in Unclear-Onset Stroke Based on MRI Evaluation (RESTORE). Stroke, 2012, 43, 3278-3283.	1.0	59
28	Ischemic Stroke in Patients with Cancer: Is it Different from Usual Strokes?. International Journal of Stroke, 2014, 9, 406-412.	2.9	58
29	Post-stroke cognitive impairment as an independent predictor of ischemic stroke recurrence: PICASSO sub-study. Journal of Neurology, 2020, 267, 688-693.	1.8	56
30	Predictors of Recurrent Stroke in Patients With Symptomatic Intracranial Arterial Stenosis. Stroke, 2012, 43, 2785-2787.	1.0	54
31	Recurrent Ischemic Lesions After Acute Atherothrombotic Stroke. Stroke, 2016, 47, 2323-2330.	1.0	54
32	Silent Ischemic Lesion Recurrence on Magnetic Resonance Imaging Predicts Subsequent Clinical Vascular Events. Archives of Neurology, 2006, 63, 1730.	4.9	52
33	Homocysteine, small-vessel disease, and atherosclerosis. Neurology, 2014, 83, 695-701.	1.5	52
34	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
35	Real-Time Strategy Video Game Experience and Visual Perceptual Learning. Journal of Neuroscience, 2015, 35, 10485-10492.	1.7	47
36	Risk Factors Associated With the Presence of Unruptured Intracranial Aneurysms. Stroke, 2015, 46, 3093-3098.	1.0	47

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37	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
38	New brain infarcts on magnetic resonance imaging after coronary artery bypass graft surgery: Lesion patterns, mechanism, and predictors. <i>Annals of Neurology</i> , 2014, 76, 347-355.	2.8	46
39	Early Recurrent Ischemic Lesions on Diffusion-Weighted Imaging in Symptomatic Intracranial Atherosclerosis. <i>Archives of Neurology</i> , 2007, 64, 50.	4.9	44
40	Modest Blood Pressure Reduction with Valsartan in Acute Ischemic Stroke: A Prospective, Randomized, Open-Label, Blinded-End-Point Trial. <i>International Journal of Stroke</i> , 2015, 10, 745-751.	2.9	44
41	Intra-arterial thrombectomy for acute ischaemic stroke patients with active cancer. <i>Journal of Neurology</i> , 2019, 266, 2286-2293.	1.8	43
42	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
43	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
44	Mechanism of multiple infarcts in multiple cerebral circulations on diffusion-weighted imaging. <i>Journal of Neurology</i> , 2007, 254, 924-930.	1.8	38
45	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
46	Right-Left Propensity and Lesion Patterns Between Cardiogenic and Aortogenic Cerebral Embolisms. <i>Stroke</i> , 2011, 42, 2323-2325.	1.0	35
47	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
48	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
49	Digital Therapeutics: Emerging New Therapy for Neurologic Deficits after Stroke. <i>Journal of Stroke</i> , 2019, 21, 242-258.	1.4	33
50	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
51	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
52	Prognostic Significance of Troponin Elevation for Long-Term Mortality after Ischemic Stroke. <i>Journal of Stroke</i> , 2017, 19, 312-322.	1.4	30
53	Intracranial Atherosclerosis: Incidence, Diagnosis and Treatment. <i>Journal of Clinical Neurology</i>		

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55	Cardiac Vulnerability to Cerebrogenic Stress as a Possible Cause of Troponin Elevation in Stroke. Journal of the American Heart Association, 2016, 5, .	1.6	29
56	Comparison of 3D magnetic resonance imaging and digital subtraction angiography for intracranial artery stenosis. European Radiology, 2017, 27, 4737-4746.	2.3	29
57	Provoked Right-to-Left Shunt in Patent Foramen Ovale Associates With Ischemic Stroke in Posterior Circulation. Stroke, 2014, 45, 3707-3710.	1.0	28
58	Unclear-onset stroke: Daytime-unwitnessed stroke vs. wake-up stroke. International Journal of Stroke, 2016, 11, 212-220.	2.9	28
59	Machine Learning-Based Automatic Rating for Cardinal Symptoms of Parkinson Disease. Neurology, 2021, 96, e1761-e1769.	1.5	28
60	Biochemical Aspirin Resistance and Recurrent Lesions in Patients with Acute Ischemic Stroke. European Neurology, 2010, 64, 51-57.	0.6	26
61	Silent New Brain Lesions: Innocent Bystander or Guilty Party?. Journal of Stroke, 2016, 18, 38-49.	1.4	26
62	Reduction of Midline Shift Following Decompressive Hemicraniectomy for Malignant Middle Cerebral Artery Infarction. Journal of Stroke, 2016, 18, 328-336.	1.4	24
63	Multidisciplinary Approach to Decrease In-Hospital Delay for Stroke Thrombolysis. Journal of Stroke, 2017, 19, 196-204.	1.4	24
64	Deep learning-based detection and segmentation of diffusion abnormalities in acute ischemic stroke. Communications Medicine, 2021, 1, .	1.9	24
65	The Second Elevation of Neuron-Specific Enolase Peak after Ischemic Stroke Is Associated with Hemorrhagic Transformation. Journal of Stroke and Cerebrovascular Diseases, 2014, 23, 2437-2443.	0.7	23
66	Nonatherosclerotic Isolated Middle Cerebral Artery Disease May Be Early Manifestation of Moyamoya Disease. Stroke, 2016, 47, 2229-2235.	1.0	23
67	Spontaneous and Unruptured Chronic Intracranial Artery Dissection. Clinical Neuroradiology, 2018, 28, 171-181.	1.0	23
68	Cilostazol Versus Aspirin in Ischemic Stroke Patients With High-Risk Cerebral Hemorrhage. Stroke, 2020, 51, 931-937.	1.0	23
69	The Difference in Perceptions of Educational Need Between Epilepsy Patients and Medical Personnel. Epilepsia, 2001, 42, 785-789.	2.6	22
70	Early infarct growth predicts long-term clinical outcome after thrombolysis. Journal of the Neurological Sciences, 2012, 316, 99-103.	0.3	22
71	Silent new ischemic lesions after index stroke and the risk of future clinical recurrent stroke. Neurology, 2016, 86, 277-285.	1.5	22
72	Deep Learning-Based Method to Differentiate Neuromyelitis Optica Spectrum Disorder From Multiple Sclerosis. Frontiers in Neurology, 2020, 11, 599042.	1.1	22

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73	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
74	Diffusion-Weighted Image and Fluid-Attenuated Inversion Recovery Image Mismatch. <i>Stroke</i> , 2014, 45, 450-455.	1.0	20
75	CYP2C19 Genotype and Early Ischemic Lesion Recurrence in Stroke Patients Treated with Clopidogrel. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2015, 24, 440-446.	0.7	20
76	Early infarct growth predicts long-term clinical outcome in ischemic stroke. <i>Journal of the Neurological Sciences</i> , 2014, 347, 205-209.	0.3	19
77	Quantitative Analysis Using High-Resolution 3T MRI in Acute Intracranial Artery Dissection. <i>Journal of Neuroimaging</i> , 2016, 26, 612-617.	1.0	18
78	Intracranial Aneurysm Is Associated with High Intracranial Artery Tortuosity. <i>World Neurosurgery</i> , 2018, 112, e876-e880.	0.7	18
79	Structural and Functional Connectivity Changes Beyond Visual Cortex in a Later Phase of Visual Perceptual Learning. <i>Scientific Reports</i> , 2018, 8, 5186.	1.6	17
80	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
81	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
82	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
83	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
84	Lesion Location-Based Prediction of Visual Field Improvement after Cerebral Infarction. <i>PLoS ONE</i> , 2015, 10, e0143882.	1.1	13
85	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
86	Pharmacologically Induced Hypertension Therapy for Acute Stroke Patients. <i>Journal of Stroke</i> , 2019, 21, 228-230.	1.4	13
87	Color-Coded Fluid-Attenuated Inversion Recovery Images Improve Inter-Rater Reliability of Fluid-Attenuated Inversion Recovery Signal Changes Within Acute Diffusion-Weighted Image Lesions. <i>Stroke</i> , 2014, 45, 2801-2804.	1.0	12
88	Lateral Medullary Infarction with or without Extra-Lateral Medullary Lesions: What Is the Difference?. <i>Cerebrovascular Diseases</i> , 2018, 45, 132-140.	0.8	11
89	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
90	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

91	Effect of Statin on Progression of Symptomatic Intracranial Atherosclerosis. Canadian Journal of Neurological Sciences, 2012, 39, 801-806.	0.3	10
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109	The Effect of Cilostazol on Carotid Intima-Media Thickness Progression in Patients with Symptomatic Intracranial Atherosclerotic Stenosis. Journal of Stroke and Cerebrovascular Diseases, 2014, 23, 1164-1170.	0.7	6
110	Intracranial Artery Steno-Occlusion: Diagnosis by Using Two-dimensional Spatially Selective Radiofrequency Excitation Pulse MR Imaging. Radiology, 2017, 284, 834-843.	3.6	6
111	The Impact of Cerebral Atherosclerosis According to Location on Prognosis after Coronary Artery Bypass Grafting. Cerebrovascular Diseases, 2018, 46, 200-209.	0.8	6
112	Are Genetic Variants Associated with the Location of Cerebral Arterial Lesions in Stroke Patients?. Cerebrovascular Diseases, 2020, 49, 262-268.	0.8	6
113	Effects of Appointing a Full-Time Neurointensivist to Run a Closed-Type Neurological Intensive Care		

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127	Modeling and simulation to predict the degree of disability over time in acute ischemic stroke patients. Clinical and Translational Science, 2021, 14, 1988-1996.	1.5	1
128	Petroclival Meningioma Accompanying Posterior Cerebral Artery Infarction. Journal of Stroke, 2016, 18, 114-116.	1.4	1
129	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. Stroke, 2013, 44, .	1.0	0
130	Deep Learning Approach Using Diffusion-Weighted Imaging to Estimate the Severity of Aphasia in Stroke Patients. Journal of Stroke, 2022, 24, 108-117.	1.4	0
131	Blood Pressure Variability Can Predict Carotid Sinus Reaction after Carotid Stenting. American Journal of Hypertension, 0, , .	1.0	0