

Koung Mi Kang

List of Publications by Year in descending order

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69
papers

1,013
citations

430874

18
h-index

526287

27
g-index

75
all docs

75
docs citations

75
times ranked

1637
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic <scp>MRI</scp>: Technologies and Applications in Neuroradiology. Journal of Magnetic Resonance Imaging, 2022, 55, 1013-1025.	3.4	40
2	Cognitive reserve proxies, Alzheimer pathologies, and cognition. Neurobiology of Aging, 2022, 110, 88-95.	3.1	10
3	Myelin Content in Mild Traumatic Brain Injury Patients with Post-Concussion Syndrome: Quantitative Assessment with a Multidynamic Multiecho Sequence. Korean Journal of Radiology, 2022, 23, 226.	3.4	2
4	Prediction of hemorrhagic complications after ultrasound-guided biopsy of the thyroid and neck. European Radiology, 2022, , 1.	4.5	1
5	Response prediction of vestibular schwannoma after gamma-knife radiosurgery using pretreatment dynamic contrast-enhanced MRI: a prospective study. European Radiology, 2022, 32, 3734-3743.	4.5	2
6	Added Value of Contrast Leakage Information over the CBV Value of DSC Perfusion MRI to Differentiate between Pseudoprogression and True Progression after Concurrent Chemoradiotherapy in Glioblastoma Patients. Investigative Magnetic Resonance Imaging, 2022, 26, 10.	0.4	1
7	Validation of Ultrasound Risk Stratification Systems for Cervical Lymph Node Metastasis in Patients with Thyroid Cancer. Cancers, 2022, 14, 2106.	3.7	9
8	Association between Cerebral Small Vessel and Alzheimer's Disease. Journal of the Korean Society of Radiology, 2022, 83, 486.	0.2	0
9	Comparison of Genetic Profiles and Prognosis of High-Grade Gliomas Using Quantitative and Qualitative MRI Features: A Focus on G3 Gliomas. Korean Journal of Radiology, 2021, 22, 233.	3.4	6
10	Blood-Brain Barrier Disruption in Mild Traumatic Brain Injury Patients with Post-Concussion Syndrome: Evaluation with Region-Based Quantification of Dynamic Contrast-Enhanced MR Imaging Parameters Using Automatic Whole-Brain Segmentation. Korean Journal of Radiology, 2021, 22, 118.	3.4	10
11	Renal Safety of Repeated Intravascular Administrations of Iodinated or Gadolinium-Based Contrast Media within a Short Interval. Korean Journal of Radiology, 2021, 22, 1547.	3.4	3
12	Application of T1 Map Information Based on Synthetic MRI for Dynamic Contrast-Enhanced Imaging: A Comparison Study with the Fixed Baseline T1 Value Method. Korean Journal of Radiology, 2021, 22, 1352.	3.4	0
13	Prediction of Prognosis in Glioblastoma Using Radiomics Features of Dynamic Contrast-Enhanced MRI. Korean Journal of Radiology, 2021, 22, 1514.	3.4	21
14	Prognostic Prediction Based on Dynamic Contrast-Enhanced MRI and Dynamic Susceptibility Contrast-Enhanced MRI Parameters from Non-Enhancing, T2-High-Signal-Intensity Lesions in Patients with Glioblastoma. Korean Journal of Radiology, 2021, 22, 1369.	3.4	7
15	MGMT Promoter Methylation Status in Initial and Recurrent Glioblastoma: Correlation Study with DWI and DSC PWI Features. American Journal of Neuroradiology, 2021, 42, 853-860.	2.4	12
16	Radiomics-based neural network predicts recurrence patterns in glioblastoma using dynamic susceptibility contrast-enhanced MRI. Scientific Reports, 2021, 11, 9974.	3.3	22
17	Synergistic Effect of Serum Homocysteine and Diabetes Mellitus on Brain Alterations. Journal of Alzheimer's Disease, 2021, 81, 287-295.	2.6	7
18	Diffusion Tensor Imaging and Neurite Orientation Dispersion and Density Imaging Assessment of Optic Pathway Function in Patients With Anterior Visual Pathway Compression. Journal of Neuro-Ophthalmology, 2021, Publish Ahead of Print, .	0.8	1

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19	Prediction of brain age from routine T2-weighted spin-echo brain magnetic resonance images with a deep convolutional neural network. <i>Neurobiology of Aging</i> , 2021, 105, 78-85.	3.1	12
20	Contrast-enhanced MRI T1 Mapping for Quantitative Evaluation of Putative Dynamic Glymphatic Activity in the Human Brain in Sleep-Wake States. <i>Radiology</i> , 2021, 300, 661-668.	7.3	40
21	Cerebrovascular Reservoir and Arterial Transit Time Changes Assessed by Acetazolamide-Challenged Multi-Phase Arterial Spin Labeling Perfusion MRI in Chronic Cerebrovascular Steno-Occlusive Disease. <i>Journal of the Korean Society of Radiology</i> , 2021, 82, 626.	0.2	1
22	Computed tomography complements ultrasound for the differential diagnosis of traumatic neuroma from recurrent tumor in patients with postoperative thyroid cancer. <i>European Radiology</i> , 2021, , 1.	4.5	3
23	Serum zinc levels and in vivo beta-amyloid deposition in the human brain. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 190.	6.2	15
24	Revascularization Evaluation in Adult-Onset Moyamoya Disease after Bypass Surgery: Superselective Arterial Spin Labeling Perfusion MRI Compared with Digital Subtraction Angiography. <i>Radiology</i> , 2020, 297, 630-637.	7.3	14
25	Genetic associations of in vivo pathology influence Alzheimer's disease susceptibility. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 156.	6.2	11
26	Serum albumin and beta-amyloid deposition in the human brain. <i>Neurology</i> , 2020, 95, e815-e826.	1.1	36
27	<p></p>Prediction of Amyloid Positivity in Mild Cognitive Impairment Using Fully Automated Brain Segmentation Software</p>. <i>Neuropsychiatric Disease and Treatment</i> , 2020, Volume 16, 1745-1754.	2.2	10
28	Association of carotid and intracranial stenosis with Alzheimer's disease biomarkers. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 106.	6.2	13
29	Social support moderates the influence of Alzheimer's disease-related neurodegeneration on cognitive decline. <i>Alzheimer's and Dementia</i> , 2020, 16, e043312.	0.8	0
30	Microstructural alterations of regional white matter tracts predict tau deposition in the Alzheimer's disease signature regions. <i>Alzheimer's and Dementia</i> , 2020, 16, e043471.	0.8	0
31	Regional microstructural alteration of the corpus callosum in preclinical Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, e045000.	0.8	0
32	Added Value of Computed Tomography to Ultrasonography for Assessing LN Metastasis in Preoperative Patients with Thyroid Cancer: Node-by-Node Correlation. <i>Cancers</i> , 2020, 12, 1190.	3.7	12
33	Diagnostic Accuracy and Confidence of [18F] FDG PET/MRI in comparison with PET or MRI alone in Head and Neck Cancer. <i>Scientific Reports</i> , 2020, 10, 9490.	3.3	17
34	Multiparity, Brain Atrophy, and Cognitive Decline. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 159.	3.4	13
35	Midlife Lifestyle Activities Moderate APOE $\epsilon 4$ Effect on in vivo Alzheimer's Disease Pathologies. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 42.	3.4	13
36	Stenosis Detection From Time-of-Flight Magnetic Resonance Angiography via Deep Learning 3D Squeeze and Excitation Residual Networks. <i>IEEE Access</i> , 2020, 8, 43325-43335.	4.2	8

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37	Neuroticism, conscientiousness, and <i>in vivo</i> Alzheimer pathologies measured by amyloid PET and MRI. <i>Psychiatry and Clinical Neurosciences</i> , 2020, 74, 303-310.	1.8	11
38	Dynamic Contrast-Enhanced MR Imaging of Nonenhancing T2 High-Signal-Intensity Lesions in Baseline and Posttreatment Glioblastoma: Temporal Change and Prognostic Value. <i>American Journal of Neuroradiology</i> , 2020, 41, 49-56.	2.4	11
39	Ultrasonographic Indeterminate Lymph Nodes in Preoperative Thyroid Cancer Patients: Malignancy Risk and Ultrasonographic Findings Predictive of Malignancy. <i>Korean Journal of Radiology</i> , 2020, 21, 598.	3.4	18
40	Prognostic Value of Dynamic Contrast-Enhanced MRI-Derived Pharmacokinetic Variables in Glioblastoma Patients: Analysis of Contrast-Enhancing Lesions and Non-Enhancing T2 High-Signal Intensity Lesions. <i>Korean Journal of Radiology</i> , 2020, 21, 707.	3.4	8
41	Quantitative dynamic contrast-enhanced MR imaging shows widespread blood-brain barrier disruption in mild traumatic brain injury patients with post-concussion syndrome. <i>European Radiology</i> , 2019, 29, 1308-1317.	4.5	26
42	Altered Vascular Permeability in Migraine-associated Brain Regions: Evaluation with Dynamic Contrast-enhanced MRI. <i>Radiology</i> , 2019, 292, 713-720.	7.3	23
43	The Effect of Varying Slice Thickness and Interslice Gap on T ₁ and T ₂ Measured with the Multidynamic Multiecho Sequence. <i>Magnetic Resonance in Medical Sciences</i> , 2019, 18, 126-133.	2.0	13
44	Diagnostic value of computed tomography combined with ultrasonography in detecting cervical recurrence in patients with thyroid cancer. <i>Head and Neck</i> , 2019, 41, 1206-1212.	2.0	2
45	Leakage correction improves prognosis prediction of dynamic susceptibility contrast perfusion MRI in primary central nervous system lymphoma. <i>Scientific Reports</i> , 2018, 8, 456.	3.3	7
46	Monitoring Cerebral Perfusion Changes after Revascularization in Patients with Moyamoya Disease by Using Arterial Spin-labeling MR Imaging. <i>Radiology</i> , 2018, 288, 565-572.	7.3	54
47	Radiogenomics correlation between MR imaging features and major genetic profiles in glioblastoma. <i>European Radiology</i> , 2018, 28, 4350-4361.	4.5	63
48	Differentiation of High-Grade from Low-Grade Astrocytoma: Improvement in Diagnostic Accuracy and Reliability of Pharmacokinetic Parameters from DCE MR Imaging by Using Arterial Input Functions Obtained from DSC MR Imaging. <i>Radiology</i> , 2018, 286, 981-991.	7.3	20
49	T1 Shortening in the Globus Pallidus after Multiple Administrations of Gadobutrol: Assessment with a Multidynamic Multiecho Sequence. <i>Radiology</i> , 2018, 287, 258-266.	7.3	32
50	Can Arterial Spin-Labeling with Multiple Postlabeling Delays Predict Cerebrovascular Reserve?. <i>American Journal of Neuroradiology</i> , 2018, 39, 84-90.	2.4	15
51	P3â€³95: ASSOCIATION OF LARGE VESSEL STENOSIS WITH ALZHEIMER'S DISEASE BIOMARKERS. <i>Alzheimer's and Dementia</i> , 2018, 14, P1249.	0.8	0
52	ICâ€³096: ASSOCIATION OF LARGE VESSEL STENOSIS WITH ALZHEIMER'S DISEASE BIOMARKERS. <i>Alzheimer's and Dementia</i> , 2018, 14, P82.	0.8	0
53	Persistent/Recurrent Differentiated Thyroid Cancer: Clinical and Radiological Characteristics of Persistent Disease and Clinical Recurrence Based on Computed Tomography Analysis. <i>Thyroid</i> , 2018, 28, 1490-1499.	4.5	10
54	Application of Synthetic MRI for Direct Measurement of Magnetic Resonance Relaxation Time and Tumor Volume at Multiple Time Points after Contrast Administration: Preliminary Results in Patients with Brain Metastasis. <i>Korean Journal of Radiology</i> , 2018, 19, 783.	3.4	16

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55	Application of 3D Fast Spin-Echo T1 Black-Blood Imaging in the Diagnosis and Prognostic Prediction of Patients with Leptomeningeal Carcinomatosis. <i>American Journal of Neuroradiology</i> , 2018, 39, 1453-1459.	2.4	22
56	Dynamic contrast-enhanced MR imaging in predicting progression of enhancing lesions persisting after standard treatment in glioblastoma patients: a prospective study. <i>European Radiology</i> , 2017, 27, 3156-3166.	4.5	27
57	Comparison between the Prebolus T1 Measurement and the Fixed T1 Value in Dynamic Contrast-Enhanced MR Imaging for the Differentiation of True Progression from Pseudoprogression in Glioblastoma Treated with Concurrent Radiation Therapy and Temozolomide Chemotherapy. <i>American Journal of Neuroradiology</i> , 2017, 38, 2243-2250.	2.4	20
58	Added Value of Arterial Spin-Labeling MR Imaging for the Differentiation of Cerebellar Hemangioblastoma from Metastasis. <i>American Journal of Neuroradiology</i> , 2017, 38, 2052-2058.	2.4	10
59	Temporal bone chondroblastoma: Imaging characteristics with pathologic correlation. <i>Head and Neck</i> , 2017, 39, 2171-2179.	2.0	12
60	[P3â€“354]: VOXELâ€“WISE ANALYSIS OF THE ASSOCIATION BETWEEN FASTING BLOOD INSULIN AND CEREBRAL GLUCOSE METABOLISM IN NONDIABETIC, COGNITIVELY NORMAL ELDERLY INDIVIDUALS. <i>Alzheimer's and Dementia</i> , 2017, 13, P1091.	0.8	0
61	[Icâ€“Pâ€“112]: VOXELâ€“WISE ANALYSIS OF THE ASSOCIATION BETWEEN FASTING BLOOD INSULIN AND CEREBRAL GLUCOSE METABOLISM IN NONDIABETIC, COGNITIVELY NORMAL ELDERLY INDIVIDUALS. <i>Alzheimer's and Dementia</i> , 2017, 13, P88.	0.8	0
62	BCAT1 is a New MR Imaging-related Biomarker for Prognosis Prediction in IDH1-wildtype Glioblastoma Patients. <i>Scientific Reports</i> , 2017, 7, 17740.	3.3	20
63	Application of Cardiac Gating to Improve the Reproducibility of Intravoxel Incoherent Motion Measurements in the Head and Neck. <i>Magnetic Resonance in Medical Sciences</i> , 2017, 16, 190-202.	2.0	14
64	Application of diffusion-weighted imaging and dynamic susceptibility contrast perfusion-weighted imaging for ganglioglioma in adults: Comparison study with oligodendroglioma. <i>Journal of Neuroradiology</i> , 2016, 43, 331-338.	1.1	10
65	Capability of arterial spin labeling MR imaging in localizing seizure focus in clinical seizure activity. <i>European Journal of Radiology</i> , 2016, 85, 1295-1303.	2.6	46
66	Bright Vessel Appearance on Arterial Spin Labeling MRI for Localizing Arterial Occlusion in Acute Ischemic Stroke. <i>Stroke</i> , 2015, 46, 564-567.	2.0	43
67	Differentiation of Parkinsonism-Predominant Multiple System Atrophy from Idiopathic Parkinson Disease Using 3T Susceptibility-Weighted MR Imaging, Focusing on Putaminal Change and Lesion Asymmetry. <i>American Journal of Neuroradiology</i> , 2015, 36, 2227-2234.	2.4	29
68	Gel Phantom Study with High-Intensity Focused Ultrasound: Influence of Metallic Stent Containing Either Air or Fluid. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 2851-2856.	1.5	1
69	Added value of diffusionâ€“weighted imaging to MR cholangiopancreatography with unenhanced mr imaging for predicting malignancy or invasiveness of intraductal papillary mucinous neoplasm of the pancreas. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 555-563.	3.4	57