Leonard Sunwoo

List of Publications by Year
in descending order

50 papers	982 citations	516710 16 h-index	477307 29 g-index
51 all docs	51 docs citations	51 times ranked	1704 citing authors

#	Article	IF	Citations
1	${k}$ -Space Deep Learning for Accelerated MRI. IEEE Transactions on Medical Imaging, 2020, 39, 377-386.	8.9	193
2	Deep Learning in Diagnosis of Maxillary Sinusitis Using Conventional Radiography. Investigative Radiology, 2019, 54, 7-15.	6.2	65
3	Brain metastasis detection using machine learning: a systematic review and meta-analysis. Neuro-Oncology, 2021, 23, 214-225.	1.2	61
4	Differentiation of Glioblastoma from Brain Metastasis: Qualitative and Quantitative Analysis Using Arterial Spin Labeling MR Imaging. PLoS ONE, 2016, 11, e0166662.	2.5	56
5	Unpaired Deep Learning for Accelerated MRI Using Optimal Transport Driven CycleGAN. IEEE Transactions on Computational Imaging, 2020, 6, 1285-1296.	4.4	52
6	Correlation of apparent diffusion coefficient values measured by diffusion MRI and MGMT promoter methylation semiquantitatively analyzed with MSâ€MLPA in patients with glioblastoma multiforme. Journal of Magnetic Resonance Imaging, 2013, 37, 351-358.	3.4	42
7	Procedural and clinical outcomes of endovascular recanalization therapy in patients with cancer-related stroke. Interventional Neuroradiology, 2018, 24, 520-528.	1.1	42
8	Fully Automatic Segmentation of Acute Ischemic Lesions on Diffusion-Weighted Imaging Using Convolutional Neural Networks: Comparison with Conventional Algorithms. Korean Journal of Radiology, 2019, 20, 1275.	3.4	40
9	Effects of Hypertension, Diabetes, and Smoking on Age and Sex Prediction from Retinal Fundus Images. Scientific Reports, 2020, 10, 4623.	3.3	38
10	Computer-aided detection of brain metastasis on 3D MR imaging: Observer performance study. PLoS ONE, 2017, 12, e0178265.	2.5	38
11	Machine learning for detecting moyamoya disease in plain skull radiography using a convolutional neural network. EBioMedicine, 2019, 40, 636-642.	6.1	35
12	Feasibility of Permanent Stenting with Solitaire FR as a Rescue Treatment for the Reperfusion of Acute Intracranial Artery Occlusion. American Journal of Neuroradiology, 2018, 39, 331-336.	2.4	29
13	Diagnostic performance of neuromelanin-sensitive magnetic resonance imaging for patients with Parkinsonâ€™s disease and factor analysis for its heterogeneity: a systematic review and meta-analysis. European Radiology, 2021, 31, 1268-1280.	4.5	22
14	Machine Learning Model to Predict Pseudoprogression Versus Progression in Glioblastoma Using MRI: A Multi-Institutional Study (KROG 18-07). Cancers, 2020, 12, 2706.	3.7	21
15	Measurement Variability of Persistent Pulmonary Subsolid Nodules on Same-Day Repeat CT: What Is the Threshold to Determine True Nodule Growth during Follow-Up?. PLoS ONE, 2016, 11, e0148853.	2.5	19
16	Evaluation of the degree of arteriovenous shunting in intracranial arteriovenous malformations using pseudo-continuous arterial spin labeling magnetic resonance imaging. Neuroradiology, 2015, 57, 775-782.	2.2	18
17	Deep Learning for Diagnosis of Paranasal Sinusitis Using Multi-View Radiographs. Diagnostics, 2021, 11, 250.	2.6	17
18	Artificial Intelligence in Neuroimaging: Clinical Applications. Investigative Magnetic Resonance Imaging, 2022, 26, 1.	0.4	14

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19	Spider U-Net: Incorporating Inter-Slice Connectivity Using LSTM for 3D Blood Vessel Segmentation. Applied Sciences (Switzerland), 2021, 11, 2014.	2.5	13
20	Classification of true progression after radiotherapy of brain metastasis on MRI using artificial intelligence: a systematic review and meta-analysis. Neuro-Oncology Advances, 2021, 3, vdab080.	0.7	13
21	Diffusion-Weighted Imaging of the Head and Neck: Influence of Fat-Suppression Technique and Multishot 2D Navigated Interleaved Acquisitions. American Journal of Neuroradiology, 2018, 39, 145-150.	2.4	12
22	Amide Proton Transfer-weighted MRI in the Diagnosis of Major Salivary Gland Tumors. Scientific Reports, 2019, 9, 8349.	3.3	12
23	Differentiation of Deep Subcortical Infarction Using High-Resolution Vessel Wall MR Imaging of Middle Cerebral Artery. Korean Journal of Radiology, 2017, 18, 964.	3.4	11
24	Diagnostic performance of MRI of post-laminar optic nerve invasion detection in retinoblastoma: A systematic review and meta-analysis. Neuroradiology, 2021, 63, 499-509.	2.2	11
25	Deep Learning-Based Computer-Aided Detection System for Automated Treatment Response Assessment of Brain Metastases on 3D MRI. Frontiers in Oncology, 2021, 11, 739639.	2.8	11
26	Two-stage deep learning for accelerated 3D time-of-flight MRA without matched training data. Medical Image Analysis, 2021, 71, 102047.	11.6	10
27	Paradoxical perfusion metrics of high-grade gliomas with an oligodendroglioma component: quantitative analysis of dynamic susceptibility contrast perfusion MR imaging. Neuroradiology, 2015, 57, 1111-1120.	2.2	9
28	Metal Artifact Reduction for Orthopedic Implants: Brain CT Angiography in Patients with Intracranial Metallic Implants. Journal of Korean Medical Science, 2018, 33, e158.	2.5	9
29	Texture Analysis of Multi-Shot Echo-planar Diffusion-Weighted Imaging in Head and Neck Squamous Cell Carcinoma: The Diagnostic Value for Nodal Metastasis. Journal of Clinical Medicine, 2019, 8, 1767.	2.4	9
30	Iron-sensitive magnetic resonance imaging in Parkinsonâ€™s disease: a systematic review and meta-analysis. Journal of Neurology, 2021, 268, 4721-4736.	3.6	9
31	Performance of deep learning to detect mastoiditis using multiple conventional radiographs of mastoid. PLoS ONE, 2020, 15, e0241796.	2.5	8
32	Dichotomizing Level of Pial Collaterals on Multiphase CT Angiography for Endovascular Treatment in Acute Ischemic Stroke: Should It Be Refined for 6-Hour Time Window?. Neurointervention, 2019, 14, 99-106.	0.8	7
33	Predictive accuracy of T2-FLAIR mismatch sign for the IDH-mutant, 1p/19q noncodeleted low-grade glioma: An updated systematic review and meta-analysis. Neuro-Oncology Advances, 2022, 4, vdac010.	0.7	6
34	Efficacy of Maximum Intensity Projection of Contrast-Enhanced 3D Turbo-Spin Echo Imaging with Improved Motion-Sensitized Driven-Equilibrium Preparation in the Detection of Brain Metastases. Korean Journal of Radiology, 2017, 18, 699.	3.4	5
35	Image Findings of Acute to Subacute Craniocervical Arterial Dissection on Magnetic Resonance Vessel Wall Imaging: A Systematic Review and Proportion Meta-Analysis. Frontiers in Neurology, 2021, 12, 586735.	2.4	5
36	MRI-Based Assessment of the Pharyngeal Constrictor Muscle as a Predictor of Surgical Margin after Transoral Robotic Surgery in HPV-Positive Tonsillar Cancer. American Journal of Neuroradiology, 2020, 41, 2320-2326.	2.4	4

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37	Quantitative radiological analysis and clinical outcomes of urgent EC-IC bypass for hemodynamic compromised patients with acute ischemic stroke. Scientific Reports, 2022, 12, .	3.3	4
38	MRI Texture Analysis for the Prediction of Stereotactic Radiosurgery Outcomes in Brain Metastases from Lung Cancer. Journal of Clinical Medicine, 2021, 10, 237.	2.4	3
39	Prediction of hemorrhagic cerebral hyperperfusion syndrome after direct bypass surgery in adult nonhemorrhagic moyamoya disease: combining quantitative parameters on RAPID perfusion CT with clinically related factors. Journal of Neurosurgery, 2023, 138, 683-692.	1.6	3
40	Robustness of Deep Learning Algorithm to Varying Imaging Conditions in Detecting Low Contrast Objects in Computed Tomography Phantom Images: In Comparison to 12 Radiologists. Diagnostics, 2021, 11, 410.	2.6	2
41	Chemoembolization via the right inferior phrenic artery in a patient with celiac stenosis: usefulness of angiography at full inspiration. Gastrointestinal Intervention, 2014, 3, 58-60.	0.1	1
42	Phase-Based Nonrigid Deformation for Digital Subtraction Angiography. IEEE Access, 2019, 7, 32256-32265.	4.2	1
43	Diagnostic assessment of magnetic resonance imaging for patients with intralabyrinthine schwannoma: A systematic review. Journal of Neuroradiology, 2020, 49, 41-41.	1.1	1
44	Comprehensive assessments of the open mouth dynamic maneuver and metal artifact reduction algorithm on computed tomography images of the oral cavity and oropharynx. PLoS ONE, 2021, 16, e0248696.	2.5	1
45	Title is missing!. , 2020, 15, e0241796.		0
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