

Leonard Sunwoo

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

982
citations

516561

16
h-index

477173

29
g-index

51
all docs

51
docs citations

51
times ranked

1704
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Journal of Neurosurgery</i> , 2023, 138, 683-692.	0.9	3
2	Predictive accuracy of T2-FLAIR mismatch sign for the IDH-mutant, 1p/19q noncodeleted low-grade glioma: An updated systematic review and meta-analysis. <i>Neuro-Oncology Advances</i> , 2022, 4, vdac010.	0.4	6
3	Artificial Intelligence in Neuroimaging: Clinical Applications. <i>Investigative Magnetic Resonance Imaging</i> , 2022, 26, 1.	0.2	14
4	Quantitative radiological analysis and clinical outcomes of urgent EC-IC bypass for hemodynamic compromised patients with acute ischemic stroke. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
5	Brain metastasis detection using machine learning: a systematic review and meta-analysis. <i>Neuro-Oncology</i> , 2021, 23, 214-225.	0.6	61
6	Diagnostic performance of neuromelanin-sensitive magnetic resonance imaging for patients with Parkinson's disease and factor analysis for its heterogeneity: a systematic review and meta-analysis. <i>European Radiology</i> , 2021, 31, 1268-1280.	2.3	22
7	Diagnostic performance of MRI of post-laminar optic nerve invasion detection in retinoblastoma: A systematic review and meta-analysis. <i>Neuroradiology</i> , 2021, 63, 499-509.	1.1	11
8	MRI Texture Analysis for the Prediction of Stereotactic Radiosurgery Outcomes in Brain Metastases from Lung Cancer. <i>Journal of Clinical Medicine</i> , 2021, 10, 237.	1.0	3
9	Deep Learning for Diagnosis of Paranasal Sinusitis Using Multi-View Radiographs. <i>Diagnostics</i> , 2021, 11, 250.	1.3	17
10	Robustness of Deep Learning Algorithm to Varying Imaging Conditions in Detecting Low Contrast Objects in Computed Tomography Phantom Images: In Comparison to 12 Radiologists. <i>Diagnostics</i> , 2021, 11, 410.	1.3	2
11	Spider U-Net: Incorporating Inter-Slice Connectivity Using LSTM for 3D Blood Vessel Segmentation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2014.	1.3	13
12	Comprehensive assessments of the open mouth dynamic maneuver and metal artifact reduction algorithm on computed tomography images of the oral cavity and oropharynx. <i>PLoS ONE</i> , 2021, 16, e0248696.	1.1	1
13	Image Findings of Acute to Subacute Craniocervical Arterial Dissection on Magnetic Resonance Vessel Wall Imaging: A Systematic Review and Proportion Meta-Analysis. <i>Frontiers in Neurology</i> , 2021, 12, 586735.	1.1	5
14	Iron-sensitive magnetic resonance imaging in Parkinson's disease: a systematic review and meta-analysis. <i>Journal of Neurology</i> , 2021, 268, 4721-4736.	1.8	9
15	Two-stage deep learning for accelerated 3D time-of-flight MRA without matched training data. <i>Medical Image Analysis</i> , 2021, 71, 102047.	7.0	10
16	Classification of true progression after radiotherapy of brain metastasis on MRI using artificial intelligence: a systematic review and meta-analysis. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab080.	0.4	13
17	Deep Learning-Based Computer-Aided Detection System for Automated Treatment Response Assessment of Brain Metastases on 3D MRI. <i>Frontiers in Oncology</i> , 2021, 11, 739639.	1.3	11
18	k-Space Deep Learning for Accelerated MRI. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 377-386.	5.4	193

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19	Diagnostic assessment of magnetic resonance imaging for patients with intralabyrinthine schwannoma: A systematic review. <i>Journal of Neuroradiology</i> , 2020, 49, 41-41.	0.6	1
20	MRI-Based Assessment of the Pharyngeal Constrictor Muscle as a Predictor of Surgical Margin after Transoral Robotic Surgery in HPV-Positive Tonsillar Cancer. <i>American Journal of Neuroradiology</i> , 2020, 41, 2320-2326.	1.2	4
21	Machine Learning Model to Predict Pseudoprogression Versus Progression in Glioblastoma Using MRI: A Multi-Institutional Study (KROG 18-07). <i>Cancers</i> , 2020, 12, 2706.	1.7	21
22	Unpaired Deep Learning for Accelerated MRI Using Optimal Transport Driven CycleGAN. <i>IEEE Transactions on Computational Imaging</i> , 2020, 6, 1285-1296.	2.6	52
23	Effects of Hypertension, Diabetes, and Smoking on Age and Sex Prediction from Retinal Fundus Images. <i>Scientific Reports</i> , 2020, 10, 4623.	1.6	38
24	Performance of deep learning to detect mastoiditis using multiple conventional radiographs of mastoid. <i>PLoS ONE</i> , 2020, 15, e0241796.	1.1	8
25	Title is missing!. , 2020, 15, e0241796.		0
26	Title is missing!. , 2020, 15, e0241796.		0
27	Title is missing!. , 2020, 15, e0241796.		0
28	Title is missing!. , 2020, 15, e0241796.		0
29	Title is missing!. , 2020, 15, e0241796.		0
30	Title is missing!. , 2020, 15, e0241796.		0
31	Texture Analysis of Multi-Shot Echo-planar Diffusion-Weighted Imaging in Head and Neck Squamous Cell Carcinoma: The Diagnostic Value for Nodal Metastasis. <i>Journal of Clinical Medicine</i> , 2019, 8, 1767.	1.0	9
32	Deep Learning in Diagnosis of Maxillary Sinusitis Using Conventional Radiography. <i>Investigative Radiology</i> , 2019, 54, 7-15.	3.5	65
33	Amide Proton Transfer-weighted MRI in the Diagnosis of Major Salivary Gland Tumors. <i>Scientific Reports</i> , 2019, 9, 8349.	1.6	12
34	Phase-Based Nonrigid Deformation for Digital Subtraction Angiography. <i>IEEE Access</i> , 2019, 7, 32256-32265.	2.6	1
35	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
36	Machine learning for detecting moyamoya disease in plain skull radiography using a convolutional neural network. <i>EBioMedicine</i> , 2019, 40, 636-642.	2.7	35

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37	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?. <i>Neurointervention</i> , 2019, 14, 99-106.	0.5	7
38	Feasibility of Permanent Stenting with Solitaire FR as a Rescue Treatment for the Reperfusion of Acute Intracranial Artery Occlusion. <i>American Journal of Neuroradiology</i> , 2018, 39, 331-336.	1.2	29
39	Diffusion-Weighted Imaging of the Head and Neck: Influence of Fat-Suppression Technique and Multishot 2D Navigated Interleaved Acquisitions. <i>American Journal of Neuroradiology</i> , 2018, 39, 145-150.	1.2	12
40	Metal Artifact Reduction for Orthopedic Implants: Brain CT Angiography in Patients with Intracranial Metallic Implants. <i>Journal of Korean Medical Science</i> , 2018, 33, e158.	1.1	9
41	Procedural and clinical outcomes of endovascular recanalization therapy in patients with cancer-related stroke. <i>Interventional Neuroradiology</i> , 2018, 24, 520-528.	0.7	42
42	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. <i>Korean Journal of Radiology</i> , 2017, 18, 699.	1.5	5
43	Differentiation of Deep Subcortical Infarction Using High-Resolution Vessel Wall MR Imaging of Middle Cerebral Artery. <i>Korean Journal of Radiology</i> , 2017, 18, 964.	1.5	11
44	Computer-aided detection of brain metastasis on 3D MR imaging: Observer performance study. <i>PLoS ONE</i> , 2017, 12, e0178265.	1.1	38
45	Measurement Variability of Persistent Pulmonary Subsolid Nodules on Same-Day Repeat CT: What Is the Threshold to Determine True Nodule Growth during Follow-Up?. <i>PLoS ONE</i> , 2016, 11, e0148853.	1.1	19
46	Differentiation of Glioblastoma from Brain Metastasis: Qualitative and Quantitative Analysis Using Arterial Spin Labeling MR Imaging. <i>PLoS ONE</i> , 2016, 11, e0166662.	1.1	56
47	Evaluation of the degree of arteriovenous shunting in intracranial arteriovenous malformations using pseudo-continuous arterial spin labeling magnetic resonance imaging. <i>Neuroradiology</i> , 2015, 57, 775-782.	1.1	18
48	Paradoxical perfusion metrics of high-grade gliomas with an oligodendroglioma component: quantitative analysis of dynamic susceptibility contrast perfusion MR imaging. <i>Neuroradiology</i> , 2015, 57, 1111-1120.	1.1	9
49	Chemoembolization via the right inferior phrenic artery in a patient with celiac stenosis: usefulness of angiography at full inspiration. <i>Gastrointestinal Intervention</i> , 2014, 3, 58-60.	0.1	1
50	Correlation of apparent diffusion coefficient values measured by diffusion MRI and MGMT promoter methylation semiquantitatively analyzed with MS α -MLPA in patients with glioblastoma multiforme. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 351-358.	1.9	42